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26
Regulations
2374

REGULATIONS

FOR THE

EQUIPMENT OF THE ARMY

PART 1. 1942

GENERAL REGULATIONS

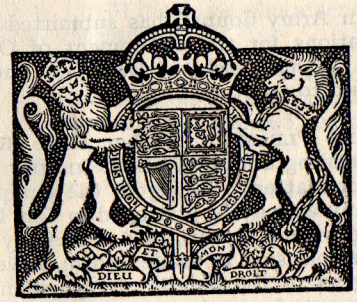
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LONDON
HIS MAJESTY'S STATIONERY OFFICE

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26
Regulations
2374

REGULATIONS
FOR THE
EQUIPMENT OF THE ARMY
PART 1. 1942
GENERAL REGULATIONS

By Command of the Army Council,

I. Bonnycastle.

THE WAR OFFICE,
5th May, 1943.

GEORGE, R.I.

WHEREAS Our Army Council has submitted to Us revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire or in Burma; provided always, that Our Army Council shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our said Army Council.

Given at Our Court at St. James's this 26th day of December, 1942, in the 7th year of Our Reign,

By His Majesty's Command,
P. J. GRIGG.

PREFACE

1. This edition consists of the 1932 edition, as amended by Amendments Nos. 1 to 31 inclusive, plus amendments approved subsequently but not issued.

2. It includes a new Chapter 22, which deals solely with "A" and "B" vehicles; this chapter comprises a large part of Chapter 8 and Appendix 2 of the 1932 edition.

3. Typographical errors should be notified, in writing, to the Under-Secretary of State (D.D.C.S.), The War Office.

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ABBREVIATIONS

NOTE.—For explanation of abbreviations used in description of stores, *see* Vocabulary of Army Ordnance Stores.

A.A.	=	Anti-aircraft.
A.B.	=	Army Book.
A.C.I. ...	=	Army Council Instruction.
A.D. CORPS.	=	The Army Dental Corps.
A.D.M.S. ...	=	Assistant Director of Medical Services.
A.D.O.S. ...	=	Assistant Director of Ordnance Services.
A.D. of S. & T.	=	Assistant Director of Supplies and Transport.
A.E.C. ...	=	Army Educational Corps.
A.F.	=	Army Form.
A.F.V. ...	=	Armoured Fighting Vehicle.
A.F.V.S. ...	=	Armoured Fighting Vehicles School.
A.I.A. ...	=	Assistant Inspector of Armourers.
A.R.A. ...	=	Army Rifle Association.
A.T.S. ...	=	Auxiliary Territorial Service.
B.L.R. ...	=	Beyond Local Repair.
C.E.	=	Chief Engineer.
C.I.	=	Chief Inspector.
C.I.A. ...	=	Chief Inspector of Armaments.
C.I.M.T. ...	=	Chief Inspector of Mechanical Transport.
C.I.E.S.S. ...	=	Chief Inspector, Engineer and Signals Stores.
C.I.S.A. ...	=	Chief Inspector of Small Arms.
C.M.P. ...	=	Corps of Military Police.
C.O.	=	Commanding Officer.
C.O.M.E. ...	=	Chief Ordnance Mechanical Engineer.
C.O.O. ...	=	Chief Ordnance Officer.
C.R.E. ...	=	Commander, Royal Engineers.
" D " ...	=	Doubtful.
D.A.D.O.S. ...	=	Deputy Assistant Director of Ordnance Services.
D.C.S. ...	=	Director of Clothing and Stores.
D.D.C.S. ...	=	Depnty Director of Clothing and Stores.
D.D.M.S. ...	=	Deputy Director of Medical Services.
D.D.O.S. ...	=	Deputy Director of Ordnance Services.
D.M.E. ...	=	Director of Mechanical Engineering.
D.W.S. ...	=	Director of Warlike Stores.
E.R. ...	=	Equipment Regulations.
E.S.O. ...	=	Embarkation Staff Officer.

G.O.C. ...	=	General Officer Commanding.
G.O.C.-in-C.	=	General Officer Commanding-in-Chief.
H.T. ...	=	Horse Transport.
I.A.O.S. ...	=	Inspector of Army Ordnance Services.
I.O.O. ...	=	Inspecting Ordnance Officer.
L.A.	=	Local Auditor.
L. of C. ...	=	List of Changes in War Matériel.
M.L. ...	=	Muzzle loading.
M.T. ...	=	Mechanical Transport.
M.T.S.D. ...	=	Mechanical Transport Stores Depot.
N.C.O. ...	=	Non-Commissioned Officer.
O.C.	=	Officer Commanding.
O.M.E. ...	=	Ordnance Mechanical Engineer.
O.O. ...	=	Ordnance Officer.
P.O.M.E. ...	=	Principal Ordnance Mechanical Engineer.
Q.A.I.M.N.S.	=	Queen Alexandra's Imperial Military Nursing Service.
P.A.D. ...	=	Passive Air Defence.
" R " ...	=	Repairable.
R.A. ...	=	Royal Artillery.
R.A.F. ...	=	Royal Air Force.
R.A.M.C. ...	=	Royal Army Medical Corps.
R.A.O.C. ...	=	Royal Army Ordnance Corps.
R.A.O.S. ...	=	Regulations for Army Ordnance Services.
R.A.P.C. ...	=	Royal Army Pay Corps.
R.A.R.O. ...	=	Regular Army Reserve of Officers.
R.A.S C. ...	=	Royal Army Service Corps.
R.E. ...	=	Royal Engineers.
R.E.M.E. ...	=	Royal Electrical and Mechanical Engineers.
R.H.A. ...	=	Royal Horse Artillery.
R. Signals	=	Royal Corps of Signals.
R.S.A.F. ...	=	Royal Small Arms Factory.
R.T.R. ...	=	Royal Tank Regiment.
R.T.O. ...	=	Railway Traffic Officer.
" S " ...	=	Serviceable.
S.M.O. ...	=	Senior Medical Officer.
S.O.M.E. ...	=	Senior Ordnance Mechanical Engineer.
S.T. & B. Regns.	=	Supply, Transport and Barrack Regulations.
" U " ...	=	Unserviceable.
V.A.O.S. ...	=	Vocabulary of Army Ordnance Stores.
W.D. ...	=	War Department.

DEFINITIONS

NOTE.—The following terms used in these regulations will have the signification shown below :—

Accessory ... ... An addition to a complete article (such as the pump of a bicycle) without which the article can be used.

Accountant ... ... Any officer who receives and holds army equipment, and renders to the War Office or local audit office a ledger account of the same.

Ammunition ... ... All explosives prepared for the use of troops in the field or during training, *e.g.*, shells, grenades, fuzes or bombs, etc.

Armoured Fighting Vehicles. A vehicle, either wheeled or tracked, in which a crew can serve the armament with which it is equipped from behind bullet-proof plate.

Assistant Director of Ordnance Services. An officer of the R.A.O.C. posted to a command for duty as deputy to the D.D.O.S. at command headquarters, or for the administration of Army Ordnance Services, other than Workshop Services, in one or more areas. In an area, he is the adviser of the general or other officer commanding concerning these services.

Assistant Inspector of Armourers. An officer of the armourer branch, R.A.O.C., who is charged with the inspection and repair of all small arms, machine guns and bicycles in a command.

Chief Inspector ... ... The senior officer of a division of the Inspection Staff.

Chief Ordnance Mechanical Engineer. An officer of the mechanical engineering staff, R.A.O.C., appointed to the headquarters of a command or a formation to administer Army Ordnance Workshop Services. He is the adviser to the G.O.C.-in-C. or G.O.C. concerning these services.

Commanding Officer ... The officer commanding any unit.

Component ... ... A part of a complete article (such as the shaft of a wagon or the track of an "A" vehicle) without which the article is useless.

Condemnation Report ... A.F. G 1043. A form on which an O.M.E. notifies a unit that stores sent in to workshops for repair are found to be beyond local repair or unserviceable.

Deputy Director of Ordnance Services. An officer of the administrative staff of the R.A.O.C. appointed by the War Office to the headquarters of a command or a formation to administer Army Ordnance Services other than Workshop Services. He is the adviser to the G.O.C.-in-C. or G.O.C. concerning these services.

Equipment ... ... Ordnance stores of all descriptions, including guns, machine guns, small arms, ammunition, vehicles, etc., and material for repair and preservation allowed by these regulations.

Equipment Ammunition Is that which is normally carried for—

(*a*) *Rifles and Pistols*, on the soldier in the field.

(*b*) *Machine Guns*, in Vickers ammunition belts carried with the gun (other than spare belts), in Lewis magazines and in Hotchkiss ammunition belts or strips (excluding spare strips).

(*c*) *Guns*, in ammunition wagons and limbers, on Dragons or Tractors, in Tanks and first-line M.T. vehicles of R.A. Brigades and Tank Battalions.

Establishment ... ... The number of officers and men, animals, transport, etc., authorized by the Army Council to be maintained for any particular arm of the service, *e.g.*, an infantry battalion.

Explosive ... ... Any substance used with a view to producing a practical effect by explosion or a pyrotechnic effect. In these regulations the term "explosive" is used to include fireworks, fuzes, rockets, percussion caps, detonators and ammunition of all descriptions, and every adaption or preparation of any explosive as defined above.

First Line Reserve Small Arm Ammunition. Is the further quantity required by units as allowed for in war equipment tables to complete to the war scale, and is carried in first-line transport.

Issue Order ... ... A.F. G 975. An order made by a Provision branch, a C.O.O. or D.D.O.S. giving approval for the issue of stores which have been authorized, but which have not been indented for.

This order is generally used :—

(*a*) for the expeditious distribution to units of newly approved stores or stores for experimental purposes ;

(*b*) for issues to non-accountants.

Machine Guns ... ... Machine guns and light automatics.

A Light Machine Gun is an automatic fire weapon, normally fired from the shoulder with the aid of a rest. It can also be fired from a mounting.

A Medium Machine Gun is an automatic fire weapon which is capable of producing a large volume of fire for long periods. It is fired from a mounting.

A Heavy Machine Gun is an automatic fire weapon specially designed to fire ammunition for the penetration of armour or for use against aircraft.

Military Tradesmen ... Warrant officers, N.C.Os. and men shown on the regimental establishment as tradesmen, and entitled to draw tradesmen's rates of pay as such.

Mobilization Equipment All items of equipment which are held by or for the unit to complete to approved war scale.

Ordnance Mechanical Engineer. An officer of the mechanical engineering staff, R.A.O.C., who is charged with the inspection and repair of guns, carriages, "A" and "B" (mechanical) vehicles, horse transport vehicles and other ordnance material in a depot or area.

Ordnance Officer ... The officer charged with the general management of an ordnance depot.

Peace Equipment ... All items of equipment which are authorized by scale (E.R., Parts 1 and 2) for use during peace.

Personal Equipment ... Arms, accoutrements, steel helmets and respirators which are allowed for the personal use of the soldier.

Principal Ordnance Mechanical Engineer. An officer of the mechanical engineering staff, R.A.O.C., appointed to the War Office for the administration, under the D.O.S., of all engineering activities affecting ordnance services in peace and war.

Senior Ordnance Mechanical Engineer. An officer of the mechanical engineering staff, R.A.O.C., posted to a command district or area to administer Army Ordnance Workshop Services, and to advise the general or other officer commanding on all matters connected therewith.

Small Arms ... ... Rifles, bayonets, swords, lances, and pistols.

A *Rifle* is a firearm which forms the primary personal weapon. Its size and weight must be such that it may be used in all positions in all types of country and be carried without undue fatigue for considerable distances.

A Self Loading Rifle is a rifle in which the movements needed for reloading it after each shot are performed by the energy obtained from the charge.

An Anti-Tank Rifle is a rifle which is specially designed to fire ammunition possessing effective armour piercing properties. It can be carried into action by one man, but needs a support when being fired. It may be hand or self-loaded.

Small Arms—*continued* ..

A Pistol is a one-hand firearm, normally used as the personal weapon for those who are not armed with a rifle.

A Self Loading Pistol is a pistol in which the reloading after each shot is performed by the energy obtained from the charge.

A Machine Carbine is an automatic fire weapon which fires pistol ammunition. It may be used to replace the rifle, the self loading rifle or the pistol, as the personal weapon for certain purposes.

Spare Part ... ... May be a component or an accessory. It is held with or for the article for use in the event of a component part or accessory becoming worn out, damaged or lost.

Strength ... ... The actual number of officers and men, animals, etc., forming a unit, etc., on any given date.

Unit ... ... A body of troops under a separate commanding officer who is an accountant.

Unit Equipment ... ... All items of equipment other than personal equipment.

Vehicle Equipment ... All tools, accessories and components which are issued with and normally carried on the vehicle, either in lockers or secured to the vehicle.

Vehicles :—
" A " Vehicles. All tracked mechanically-propelled vehicles (excluding industrial tracked vehicles) and the following wheeled vehicles :—armoured cars, scout cars, armoured command and armoured demolition vehicles.

" B " Vehicles ... All wheeled, mechanically-propelled, passenger, load-carrying, and technically-equipped vehicles (including tractors and trailers but excluding trailers, artillery, and trailers, fire pump), fire engines, light reconnaissance cars and all industrial tracked vehicles except those defined as " A " or R.A.S.C. vehicles.

R.A.S.C. Vehicles ... All wheeled, mechanically-propelled, passenger, load-carrying and technically-equipped vehicles (including tractors and trailers), which are driven and/or maintained by R.A.S.C. personnel.

Voucher, Certificate ... A document prepared to adjust an account, *i.e.* to bring actual stock and ledger balance into line.

War Equipment ... Ammunition, guns, machine guns, small arms, vehicles, stores of all descriptions and material for repair which are authorized to enable the unit to take the field on the approved War Establishment.

KEY TO PARAGRAPHS OF 1932 EDITION

1932	1942	1932	1942	1932	1942	1932	1942
1	1	47	50	93	98	139	145
2	2	48	51	94	99	140	146
3	3	49	52	95	100	141	147
4	4	50	53	96	101	142	148
5	5	51	54	97	Cancelled	143	149
6	6	52	55	98	102	143A	Cancelled
7	7	53	56	99	103	144	150
8	8	54	57	100	104	144A	151
9	9	55	58	101	105	145	152
10	10	55A	59	102	106	146	153
11	11	56	60	103	107	147	154
12	12	57	61	104	108	148	155
12A	13	58	62	105	109	149	156
13	14	59	63	106	110	150	157
14	15	60	64	107	111	151	158
15	16	61	65	108	112	152	159
16	17	62	66	109	113	153	160
17	18	62A	67	110	114	154	161
18	19	63	68	111	115	155	162
19	20	64	69	112	116	155A	163
20	21	65	70	113	117	156	164
21	22	65A	71	114	118	157	165
22	23	66	72	115	119	158	Cancelled
23	24	67	73	116	120	159	166
23A	25	68	74	117	121	160	167
24	26	69	75	118	122	161	168
25	27	70	76	119	123	162	169
26	28	71	77	120	124	163	170
27	29	72	78	121	125	164	171
28	30	73	79	122	126	165	172
29	31	74	80	122A	127	166	173
30	32	75	81	123	128	167	174
31	33	76	82	124	129	168	175
32	34	77	Cancelled	125	130	169	176
33	35	78	83	125A	131	169B	177
34	36	79	84	126	132	170	178
35	37	80	85	127	133	171	179
36	38	81	86	128	134	172	180
37	39	82	87	129	135	173	181
37A	40	83	88	130	136	174	182
38	41	84	89	131	137	175	183
39	42	85	90	132	138	176	184
40	43	86	91	133	139	177	185
41	44	87	92	134	140	178	186
42	45	88	93	135	141	179	187
43	46	89	94	135A	Cancelled	180	188
44	47	90	95	136	142	181	189
45	48	91	96	137	143	181A	190
46	49	92	97	138	144	181B	191

1932	1942	1932	1942	1932	1942	1932	1942
182	192	234	249	289	619	342	346
183	193	235	250	290	586	342A	347
184	194	236	251	291	} 609	342B	348
185	196	237	252	292		342C	349
186	197	238	253	293		343	350
187	198	239	254	294	592	344	351
188	195	240	255	295	Omitted	345	352
189	199	241	256	296	626	346	353
190	200	242	257	296A	623	346A	354
191	201	243	258	296B	625	346B	355
192	202	244	259	297	299	346C	356
193	203	245	260	298	300	347	357
194	204	246	261	299	301	348	358
195	205	247	262	300	302	349	359
196	206	248	263	301	303	350	Cancelled
197	207	249	264	302	304	351	Cancelled
198	208	250	265	303	305	352	360
199	209	251	266	304	306	353	361
200	210	252	267	305	307	354	362
201	211	253	268	306	308	355	363
202	212	254	269	307	309	356	364
203	213	255	270	308	310	357	365
204	214	256	271	309	311	358	366
205	215	257	272	310	312	359	367
206	216	258	273	311	313	360	368
207	217	259	274	312	314	361	369
207A	218	260	275	313	315	362	370
207B	219	261	276	314	316	363	371
207C	220	262	277	315	317	364	372
207D	221	263	278	316	318	365	373
208	222	264	279	317	319	366	374
209	223	265	280	318	320	367	375
210	224	266	281	319	321	368	376
211	225	266A	282	320	322	369	377
212	226	267	283	321	323	370	378
213	227	268	284	322	324	371	379
214	228	269	285	323	325	372	380
214A	229	270	286	323A	326	372A	381
215	230	271	287	324	327	373	382
216	231	272	288	325	328	373A	383
217	232	273	289	326	329	373B	384
218	233	274	290	326A	331	374	385
219	234	275	291	327	330	374A	386
220	235	276	292	328	332	374B	387
221	236	277	293	329	333	375	Cancelled
222	237	278	294	330	334	375A	Cancelled
223	238	279	295	331	335	376	388
224	239	280	296	332	336	376A	389
225	240	281	Cancelled	333	337	377	390
226	241	282	297	334	338	378	391
227	242	283	298	335	339	379	392
228	243	284	624	336	340	380	393
229	244	285	584	337	341	381	394
230	245	286	{ 585	338	342	382	395
231	246		{ 601	339	343	383	396
232	247	287	Omitted	340	344	384	397
233	248	288	585	341	345	385	398

1932	1942	1932	1942	1932	1942	1932	1942
385A	399	421	443	469	491	513	540
386	400	422	444	470	492	514	541
387	401	423	445	471	493	515	542
388	402	424	446	472	494	516	543
389	403	425	447	473	495	517	544
389A	404	426	448	474	496	518	545
389B	403	427	449	475	497	519	546
New	405	428	450	476	498	520	547
390	406	429	451	477	499	521	548
391	407	430	452	478	500	522	549
392	408	430A	453	479	501	523	550
393	Cancelled	431	454	480	502	524	551
394	Cancelled	432	455	481	503	525	552
395	409	433	456	482	504	526	553
396	410	434	457	483	505	527	554
397	411	435	458	484	506	528	555
398	412	436	459	485	507	529	556
399	413	437	460	486	508	530	557
399A	414	438	461	487	} 509	530A	558
399B	415	439	462	488		531	559
399C	416	440	463	New	510	532	560
399D	417	441	464	489	511	533	561
399E	418	442	465	490	512	534	562
399F	419	443	466	491	513	535	563
399G	420	444	467	492	514	536	564
399H	421	445	468	493	515	537	565
399I	422	446	469	494	516	538	566
400	423	447	470	495	517	New	567
401	424	448	471	495A	518	New	568
402	425	449	472	495B	519		{ 569
403	426	449A	473	495C	520	539	{ 570
404	427	450	474	495D	521		{ 571
405	428	451	Cancelled	496	522		{ 572
406	429	452	475	497	523	540	573
407	430	453	476	498	524	541	575
408	431	454	477	499	525	542	{ 578
409	432	455	478	499A	526		{ 579
410	433	456	Cancelled	500	527	543	580
411	434	457	479	501	528	544	Cancelled
412	435	458	480	502	529	545	581
413	436	459	481	503	530	546	582
414	437	460	482	504	531		
415	438	461	483	505	532		
416	{ 590	462	484	506	533		
	{ 591	463	485	507	534		
417	591	464	486	508	535		
417A	439	465	487	509	536		
418	440	466	488	510	537		
419	441	467	489	511	538		
420	442	468	490	512	539		

NEW PARAGRAPHS

574, 576, 577, 583, 587, 588, 589, 593–600, 602–607, 610–622.

KEY TO APPENDICES OF 1932 EDITION

1932	1942	1932	1942	1932	1942	1932	1942
1	1	18	20	35A	38	53	57
2	2	19	21	36	39	54	58
3	3	20	22	37	40	55	59
4	4	21	23	37A	41	56	60
5	5	22	24	38	42	57	64
6	6	23	25	39	43	58	69
7	7	24	26	40	44	59	63
8	8	25	27	41	45	60	61
8A	9	26	28	42	46	61	72
9	10	27	29	43	47	62	70
10	11	28	30	44	48	63	71
11	12	29	31	45	49	64	62
12	13	30	Cancelled	46	50	65	65
13	14	31	32	47	51	66	66
14	15	32	33	48	52	67	67
15	16	32A	34	49	53	68	68
16	17	33	35	50	54	New	73
17	18	34	36	51	55		
17A	19	35	37	52	56		

REGULATIONS FOR THE EQUIPMENT OF THE ARMY, PART 1, 1942

GENERAL REGULATIONS

CHAPTER 1.—DUTIES OF OFFICERS

A.—INTRODUCTORY

1. The following regulations for the equipment of the Regular Army are promulgated for the information and guidance of officers concerned. The proportions of ammunition, equipment and materials for repair, and other details contained therein, will be strictly adhered to. Where special scales are authorized for electric lights, telegraph, telephone and signal stations, colleges, schools, etc., no details are included in these regulations, but the general procedure as regards demand, supply and disposal of such equipment will be as herein laid down.

2. In describing stores in equipment ledgers, indents, etc., the prefix letters, catalogue number (or Part No.), designation and sections of the Vocabulary of Army Ordnance Stores and the Vocabulary of Miscellaneous Stores for Mechanical Transport will be strictly followed. Articles not included in the vocabularies will be headed : " Not in vocabulary," and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

In the case of " A " and " B " vehicles, the nomenclature to be used in indenting for articles " Not in vocabulary " is as laid down in vehicle identification lists and makers' catalogues modified as follows :—

Identification Lists.

Indents to show :

Vehicle—Ident. No.—Designation—Drawing No., *e.g.* Tank Medium Mk. II—Ident. 397—Bolt securing V.S.M. 83705 G/2 ; it being unnecessary to quote the full nomenclature of the assembly to which the part belongs.

Makers' Catalogues.

Indents to show :

Vehicle—Chassis No.—Part No.—Designation and Code Word. (*See also* para. **28.**)

B.—DUTIES OF GENERAL OFFICERS COMMANDING

3. G.Os.C. will keep themselves informed as to the condition of armaments and equipments, and will satisfy themselves that the articles which would be issued to, or taken into use by, units on mobilization are at all times maintained in a serviceable and complete condition. This applies equally to stores held as peace equipment by units and to mobilization equipment.

They are responsible for the custody and maintenance of the mobilization equipment held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that where such mobilization equipment is incomplete, the officer in immediate charge shall be able at any time to furnish a satisfactory reason.

Mobilization equipment in regimental charge will be inspected when the annual inspection of the unit takes place, unless the latter inspection is carried out when the unit is absent from the station at which its mobilization equipment is kept.

4. Equipment stored for mobilization and outfits for army reservists will be inspected by the A.D.O.S. annually and by the D.D.O.S. as considered necessary.

An annual examination, arranged by the S.O.M.E., of all optical and other instruments held in the mobilization equipment will also be made.

In each case the result of these inspections will be reported on A.F. G 1097, which will be forwarded to the headquarters of the command, and will not be transmitted to the War Office unless, for any reason, the G.O.C. wishes this done.

To assist in the maintenance of equipment in a serviceable condition, technical inspections will be carried out periodically by inspection branches and by the R.A.O.C. of armament, arms, ammunition, vehicles, instruments and other technical stores in peace and mobilization equipments.

A list of these inspections is given in **App. 54.**

When units are notified of the dates of any of these inspections, they will prepare a statement of all defects, difficulties and suggestions which they have to bring to notice concerning the equipments and instruments to be inspected and will hand a copy, signed by a responsible officer, to the

O.M.E. on his arrival. All instruments will be laid out in a convenient place for the O.M.E.'s inspection.

5. (1) The G.O.C. or other O.C. a command or other independent district will be responsible for seeing that equipment is issued to the troops for service purposes in accordance with the authorized proportions, but in cases in which it is found necessary, in view of any exceptional circumstances, that these should be exceeded, he will (if the stores are available within the command or district, or at the depot from which detailed issues of the stores in question are normally made) give authority in writing to the administrative head of the R.A.O.C. in the command or district to meet these temporary requirements. This written authority will be attached to the indent forwarded to the O.O. of the issuing depot, with a brief statement of the circumstances necessitating the issue. When the articles are not available as indicated above, special War Office approval will be required before supply can be made.

(2) The issue of bicycles under this para. may be authorized subject to each of the following conditions obtaining :—

(*a*) The cycle allowance provided in Allowance Regulations has exceeded £3 10*s*. during the preceding twelve months, or, in the case of a new service, the allowance is estimated to exceed 7*s*. 6*d*. a month.
(*b*) The service is of a continuous nature.
(*c*) The service is such that due supervision of the use of a public bicycle can be exercised, and that repairs can be executed in government workshops.

All authorities are to be reviewed half-yearly, and bicycles withdrawn in all cases in which these three conditions are not satisfied.

In all cases where it is required to retain a bicycle issued in excess of approved scales for a period longer than twelve months, full particulars as to the need for the continuance of the issue should be included with the statement rendered under para. **7.**

Bicycles may also be authorized for specific training purposes such as the representation of tanks during the collective training season. Issues will be restricted to the actual periods for which bicycles are essential and Mk. IV* bicycles will be utilized as far as possible to meet this service.

At the end of each training year a report will be rendered to the Under-Secretary of State (M.G.O.F.B.), The War Office, showing the number of Mk. IV and Mk. IV* bicycles issued and the cost involved in maintaining them in running order. The

cost of reconditioning Mk. IV bicycles to serviceable standard will also be stated. The statements of costs will, in each case, include the appropriate overhead charges.

(3) It must be distinctly understood that the power of the G.O.C. to approve such excess issues does not extend to clothing or ammunition, except as provided in para. **180**, and explosives, nor to permanent issues of any kind, except issues of material for repair due to fair wear and tear in excess of authorized scales and except as otherwise provided for in these regulations. The financial effect of the excess issue will be carefully considered before approval is given.

(4) Issues of stores in excess of barrack schedules are dealt with in Regulations for Supply, Transport, and Barrack Services, 1930, para. 637.

6. In any instance in which equipment, other than ammunition, is drawn in excess of the authorized proportions without the written authority required by para. **5**, the case should be submitted without delay to the G.O.C., who will deal with it as a matter of discipline. When consumable stores are concerned, the excess issues should be treated as losses and dealt with under King's Regulations.

7. Excess issues of camp equipment will be reported as indicated in para. **279.** A statement of all other issues approved under para. **5** which have been outstanding for a period of more than six months will be rendered by the command to the Under-Secretary of State (O.S.8), The War Office, half-yearly on 1st January and 1st July, together with remarks regarding the necessity for issue in each case.

The G.O.C. will report full details to the Under-Secretary of State, The War Office, immediately he forms the opinion that an item, or items, should be approved as a permanent addition to authorized scales. Until the War Office decision is received, the issue will be regarded as temporary and will be included in the half-yearly statements mentioned above.

8. In the event of any unnecessary delay occurring in the supply of equipment, the G.O.C. will report the circumstance, with the explanation of the A.D.O.S. concerned, to the War Office.

9. The G.O.C. will cause arrangements to be made for the safe custody of duplicate keys of all public safes and boxes, regimental funds, in use in the command.

10. Whenever, in his opinion, a situation has arisen which may render the carriage of unescorted arms, ammunition, or explosives, or other W.D. stores by road, rail, or water unde-

sirable, a G.O.C.-in-C.* will issue such instructions for the provision of escorts as he may deem necessary.

When the carriage is by goods train or, in the case of explosives, by any train, a special warrant must be issued to the railway company to enable an escort to accompany the stores.

Two distinct types of warrant are provided for this purpose, one for explosives or other dangerous goods, and one for stores, equipment, tanks, dragons, etc., but in the case of tanks, dragons, etc., being conveyed with their ammunition, the former type of warrant will be used.

The appropriate warrant will be signed on behalf of the Secretary of State for War by a G.O.C.-in-C.,* an area commander, or the D.D.O.S. Warrants for explosives despatched from ordnance depots in accordance with the Regulations for Army Ordnance Services, Part I, will be signed by D.Ds.O.S. of commands and C.O.Os. specially authorized by the War Office. (*See also* para. **87.**)

11. With a view to safeguarding serviceable tanks or dragons when in the course of movement by rail on any occasion and to enable them to be replaced (under their own power) in their correct position on the wagons, if they become shifted during transit, it may be necessary for military guards to be allowed to travel on the trains carrying the tanks or dragons. (*See* para. **580.**)

The military guard will normally consist of one N.C.O. and four men in the case of movement of six tanks or dragons or less. When more than six machines are being carried, the guard may be adequately increased.

Immediately the movement of tanks or dragons by rail has been authorized and it has been decided that a guard is necessary, the consigning officer will make arrangements for a suitable guard to be provided and will notify the Director of Mechanization, by telegram of the composition of the guard, so that the railway companies may be instructed to provide special accommodation for the personnel by the train conveying the tanks or dragons. At least one driver mechanic must be included in the guard and the men should be instructed that they are not to travel in the tank or on the tank wagon while the train is in motion.

The special warrants referred to in para. **10** will be used and the following additional officers are authorized to sign them :—

The Commandant, Armoured Fighting Vehicles School.
C.O.O., Royal Arsenal, Woolwich.

* Also the G.Os.C. London and Northern Ireland Districts, when applicable.

C.—DUTIES OF COMMANDING OFFICERS

12. C.Os. will be held directly responsible for seeing that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorized proportions unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command, and when any defects are discovered will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation to the A.D.O.S.

Commandants of schools of instruction and similar institutions will be regarded as C.Os. for all purposes to which the instructions contained in these regulations apply.

13. They will be responsible that officers whose employment on the active list is being terminated for any cause whatsoever hand in their pistols, revolver, before leaving. (*See* **Appx. 46,** paras. 5 and 6.)

14. They will be responsible that valuable and attractive stores when not in use are kept under lock and key, that the keys are not interchangeable and that the keys remain in the personal custody of the officer or other responsible person to whom the safe custody of the stores is deputed.

15. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, for ensuring that the necessary action is taken to provide for such changes. (*See* paras. **238** and **239.**)

16. They will compare the quantities of mobilization stores in their charge, as shown by the war equipment tables of their respective units, with the remains of the stores shown at the end of their mobilization equipment ledgers when the account is closed for audit. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found.

17. Alterations to equipment (*see* **Definitions**) involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office.

18. Suggestions for improvements in design of service stores may be submitted through the normal channels. (*See* King's Regulations, 1940, paras. 1636 and 1637.)

Such suggestions should be accompanied, where possible, by sufficient data (including sketches) to enable them to be

clearly understood, and should be signed by the individual responsible for the suggestion. Effect upon interchange with existing service stores should be borne in mind.

19. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. The convening officer may detail as a member a warrant officer or senior N.C.O. who is not directly concerned with the accounting for, or the charge of, the stores concerned. Both the incoming and the outgoing commanding officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in **Appx. 1,** and will accompany the regimental equipment ledger, on transmission of the latter, as laid down in that appendix. In a case where the officer taking over the command does not arrive until after the departure of the outgoing C.O., the regimental board will be assembled prior to the departure of the outgoing officer, and the senior officer remaining with the unit will take over, and be responsible for, the equipment until it is handed over by him to the officer assuming command. (*See* paras. **124** and **126** regarding the verification of lists of official books, etc.)

20. The stocktaking board may be dispensed with if the officer taking over the charge of the equipment considers it unnecessary, but he will then be held responsible and will himself sign the form of certificate shown in **Appx. 1,** para. **5,** and dispose of it as therein directed.

21. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in connection with the armaments, by a board, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over or the one taking over charge, the O.C.R.A. will appoint a board for the purpose. (For constitution of the board, *see* para. **19.**) Should no board be assembled, the officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the " State " at the opening of the accounts, subject to variations caused by subsequent duly vouched store transactions.

22. When deficiencies or damages are discovered on a transfer of the equipment, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by the G.O.C. In the case of personal equipment, the usual steps will be taken to recover the cost of replacing or repairing.

23. In order to facilitate the maintenance of stocks, the C.O. will at all times furnish the A.D.O.S. with such information as he may require regarding the state of the equipment in his charge.

24. All communications connected with the supply of equipment will be addressed to the A.D.O.S. of the area, who will, if necessary, take the orders of the G.O.C. on the subject.

25. All communications connected with the inspection and/or repair of equipment will be addressed to the S.O.M.E. of the area or formation.

26. The C.O. will bring to the notice of the G.O.C. any undue delay in the supply of equipment, the report to be accompanied by the remarks of the A.D.O.S. of the area.

27. The original keys of safes and boxes, regimental funds, will be held in the personal custody of the officers or other responsible persons using or in charge of the safes and boxes, regimental funds, and they will be responsible for ensuring that such keys are not left in places even remotely accessible to the general public or subordinates.

When the original or duplicate key is broken or lost, a new key is not to be manufactured locally, but the circumstances will be reported at once to the A.D.O.S., who will arrange for action to be taken in accordance with R.A.O.S.

The cost of altering the combination of the lock or for other repairs to safes and boxes, regimental funds, and all expenses in connection with carriage, etc., will, subject to the provisions of the Army Act, be charged against the individual responsible for the safe custody of the key.

CHAPTER 2.—GENERAL SUPPLY OF EQUIPMENT

A.—SUPPLY OF EQUIPMENT

28. Indents for articles required for the maintenance or completion of authorized equipments will be rendered to the A.D.O.S. of the area or command on the dates given in para. **30** by officers who are accountants. They will be forwarded in duplicate on the authorized forms, which will be completed where necessary to show the paragraph or table of the regulations authorizing the issue, the establishment of men, animals, vehicles or equipment, and the quantities in possession.

To enable technical parts to be identified readily, the number allotted to such parts, as shown in the official Equipment Parts Lists, appropriate vocabulary or makers' catalogue, will be included in the indent and will precede the designation of the item.

Catalogue or part numbers of ordnance stores are published in all sections and sub-sections of the V.A.O.S. and Equipment Parts Lists. The latter are published simultaneously with the issue of new equipments.

A separate sheet (or division of such forms as are divided by perforation) will be used for each vocabulary section and sub-section, and will bear the regimental or corps office stamp. Stores will be entered on indents in the same alphabetical order as they appear in the vocabulary, identification list or catalogue.

Indents for stores for " A " and " B " vehicles will show the number of vehicles of each type on charge for which stores are demanded, the type, horse-power, make, and the chassis number of the vehicle; they will be marked " A " or " B " in the top right-hand corner according to the classification of the vehicle, and a separate sheet will be used for each type of vehicle. (*See also* para. **2.**)

Indents for ammunition and stores required on payment will be enfaced to that effect in red ink.

When guns and mountings for drill, practice, time saluting or instructional purposes are unserviceable, indents to replace them may be put forward without reference to the War Office, but no replacement of guns, etc., in armaments and batteries of artillery should take place without previous reference to the War Office, unless in very exceptional circumstances, when the matter should be reported immediately.

29. Except for the special services referred to in para. **1,** the E.R. are the sole authority for the issue of peace equipment.

Indents for stores not allowed by regulations will be accompanied by a report as to the circumstances in which the store is demanded. This report will be forwarded by the D.D.O.S. of the command to the D.D.C.S., The War Office, with the demand for the stores, and a copy of the report will be forwarded to the C.I.A., Royal Arsenal, Woolwich.

The latest print of the war equipment table as notified in A.C.Is. is, under this paragraph the authority for the scale of mobilization equipment to be stored during peace and for the storage and issue on mobilization of war equipment for units which do not exist in peace.

Initial supplies of war equipment tables to units will be made by the D.D.O.S. of the command; any further quantities required will be demanded by units on A.F. L 1350, through the D.D.O.S., from the Army Forms Depot.

30. Except in emergency, indents will be rendered to the R.A.O.C. on the following dates :—

——	Army Form.*	When rendered.
(*a*)		
Materials for repair of—		
Small arms	G 997	Annually, on 1st March.
Machine guns	G 997	
Accoutrements	G 997	
Harness, saddlery, and packsaddlery	G 997	
Materials for repair of—		
Carts and wagons	G 997	Annually, on 1st September.
Materials for repair of bicycles	G 997	Quarterly—on 1st March, 1st June, 1st September and 1st December.
Materials for repair and maintenance of " A " and " B " vehicles	G 997	
Veterinary stores	G 997	
Stable necessaries	G 997	
Spunyarn for signal training	G 997	Annually, on 1st March.
Stores required to complete equipment or to replace unserviceable articles not otherwise provided for in this list	G 997	Monthly.
(*b*)		
Materials for cleaning and preserving small arms and machine guns	G 997	When necessary.
Gun and howitzer and Aiming Rifle ammunition for Practice and Exercise; R.A. (All Arms)	G 997	
Small arm and machine gun ammunition	G 812	
Camp equipment	G 968	
Surveying and drawing instruments (R.E. only)	G 1017	
Materials for repair of respirators	G 997	

* During the war A.F. G 994 will be used in lieu of A.F. G 997.

When small quantities of camp equipment or material for repair are required, A.F. G 997 will be used in lieu of the special forms.

Indents for material for the repair of Vocabulary Section B articles held on inventory charge will be submitted to the officer in charge of barracks.

31. To obviate the necessity for intermediate indents, the C.O. will cause an inspection of the equipment to be made before the monthly indents are prepared. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied as detailed in the several sections of E.R., Part 2.

When accoutrements are lost, or arms are damaged to such an extent that the armourer cannot repair them, the wants may be temporarily met by using the equipment of men who are for the time non-effective.

32. When indents are rendered on dates other than those laid down in para. **30** (*a*), a statement will be forwarded for the information of the G.O.C., showing why the requirements were not foreseen and why the supply could not wait until the next periodical indent is rendered.

33. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be forwarded for the new equipment, but a C.O. will not demand any article from store on account of a preference which he may have for a particular pattern.

34. When a unit is ordered abroad, indents will be submitted at once for any articles required to complete the equipment of the unit in accordance with the scales authorized for the particular service.

35. Until a C.O. has satisfied himself that articles are thoroughly unserviceable and cannot be repaired by the means at his disposal he will not forward indents for their replacement.

Special authority will be required for the exchange of serviceable equipment or of equipment which can be repaired regimentally by military tradesmen.

36. Indents and vouchers for equipment for the use of detachments will be signed by the O.C. the unit, unless the officer in command of the detachment is a direct accountant.

When stores are issued the O.C. the detachment will furnish the O.O. with a temporary receipt, and will be responsible for the stores until vouchers have been passed.

When stores are urgently required the O.O. will make the issue at once, the O.C. the detachment taking the necessary steps to procure a covering indent.

37*. A free initial issue of a revolver, binoculars and prismatic compass, will be made to officers (except Native officers) as laid down in **Appx. 46,** on first appointment to permanent commissions in the Regular Army. New articles will be issued.

If an officer, except by reason of ill-health, death or such special circumstances as the Army Council may decide, does not serve for four years from the date of his appointment to a regular commission, his binoculars and prismatic compass must be returned to his C.O. in serviceable condition or a sum must be paid equal to the price of these articles stated in the Vocabulary of Army Ordnance Stores.

As a condition of the issue of binoculars and/or prismatic compass, or of their retention after appointment to a regular commission where they have already been issued at the R.M.A. or the R.M.C., an officer, or, in the case of a minor, a person under no legal disability and approved by the Army Council, shall sign an undertaking to return these articles in serviceable condition or to pay the appropriate sum if required to do so under this regulation.

38*. In the case of officers of the Supplementary List of the Regular Army Reserve of Officers serving with the Household Cavalry or Foot Guards with a view to obtaining permanent commissions therein, a revolver, binoculars and prismatic compass will be issued on loan, under regimental arrangements. The articles will be demanded from the R.A.O.C. and held on equipment ledger charge of the unit concerned. When the officer is appointed to a permanent commission in the Regular Army these articles will be definitely handed over to him as a free issue and struck off ledger charge by certificate voucher but the revolver will remain public equipment in accordance with **Appx. 46.**

If the officer does not obtain a permanent commission, he will be required to hand in the articles to unit store in a serviceable condition.

39. Small arm ammunition and service-pattern articles which form part of an officer's regulation kit as shown in the Field Service Manuals, also surveying and drawing instruments necessary for carrying out his military training and education, and which he may require for his own personal use, may be issued on prepayment.

Saddlery and stable necessaries may, when stocks admit, also be issued on prepayment to officers up to a limit of (*a*) two sets of saddlery ; (*b*) stable necessaries for four horses.

* *See* A.C.I. 300 of 1941.

This limit will extend to the entire period of the service of an officer.

The indent for saddlery and stable necessaries will be accompanied by a certificate by the officer concerned, countersigned by his C.O., to the effect that the articles are required for his personal use, and that the limitation referred to in the preceding sub-paragraph will not by the issue be exceeded.

* Rifles may be issued under the conditions laid down in **Appx. 17.**

Other articles, except as provided for in para. **403,** will not be issuable on payment to officers without War Office authority.

40. Part-worn lances which are suitable for tent-pegging but not for service may, when available, be issued on payment to units at 5*s.* each.

41. The value of stores issued on payment, and of ammunition issued under paras. **184** and **185,** will be recovered through the command paymaster in whose area the issuing officer is stationed.

One copy of the priced voucher will be forwarded to the command paymaster, and two copies, to one of which should be affixed the demand slip (A.F. P 1921), to the O.C. the unit to whom the issue is made. A fourth copy will be retained by the issuing officer. On receipt of the priced vouchers, the O.C. the unit will forward both copies, together with a remittance for the value of the stores shown thereon, to the cashier of the command, who will return one copy, duly receipted, to the C.O. The command paymaster will return the second copy to the O.O. duly enfaced with a reference to the account in which credit to the public has been given ; the other copy will support the credit in the command paymaster's account.

If the issuing officer does not receive the second copy, enfaced as above, from the command paymaster, within a reasonable time, he will report accordingly to command headquarters through the usual military channels.

42. When articles comprising two or more component parts become damaged, and the undamaged component can be used again, special care will be taken when formulating demands to ask only for the components that are actually required.

43. Stores for maintaining equipments or for special services are not to be appropriated to other purposes without special authority obtained through the A.D.O.S.

44. The supply of all equipment, due to units proceeding from one district to another, is dealt with in para. **76.**

* Suspended for the duration of the war.

45. Units, other than those of R.E. and R.A.S.C., moving to and from all stations at home and abroad (except India or Burma) will take with them, unless otherwise specially ordered, the whole of their peace equipment except as laid down in paras. **47, 73, 74, 76, 105, 293,** and **362,** and except that :—

(*a*) field guns will not be taken by R.A. to and from stations abroad unless special instructions to that effect are issued ;

*(*b*) gun ammunition, E.Y. rifles, D.P. rifles, D.P. bayonets, D.P. machine guns, and serviceable mountings, tripod, ·303-in., M.G., Mk. IV authorized for D.P. guns, D.P. barrels and D.P. magazines will not be taken (D.P.B. barrels will be taken with the service guns) ;

(*c*) harness, saddlery and packsaddlery (including, for R.A. only, all spare articles) will only be taken if horses (or mules) accompany units ;

(*d*) H.T. vehicles, ammunition wagons and their accessories, spare parts and vehicle equipment will only be taken when units move by march route ; and

(*e*) normally the M.T. vehicles of a unit will accompany it on change of station at home.

Sheets, ground, and unserviceable items of equipment under **Appx. 64,** allowed for peace training will be left behind by outgoing units and taken over by incoming units.

Instructions as to moves to India or Burma are given in **Appx. 3.**

46. On change of stations at home and abroad (except India and Burma) by R.E. units and R.A.S.C. companies, only the following will be taken :—

(*a*) Personal arms and equipment.

(*b*) Machine guns complete with appurtenances and mountings.

(*c*) Signalling and telephone equipment, watches, compasses and binoculars.

(*d*) Farriers', saddlers' and bicycle tools, stamps and marking appliances.

All other stores, except small-arm ammunition for escorts (*see* para. **76**), will be left behind by outgoing units and taken over by incoming units. If an outgoing unit is not being replaced, stores will be returned to R.A.O.C.

Any stores due from R.A.O.C. to outgoing units, to complete

* Not applicable to regiments of Household Cavalry and battalions of Foot Guards on changes of station at home.

or to repair equipment left behind, will be issued to relieving units.

In the case of exchanges within the British Isles an officer, and if necessary a N.C.O., of each unit will proceed in advance to the new station to take over the stores left behind by the outgoing unit. The transfer of stores will be conducted under para. **113.**

47. Bicycles, other than those held by regiments of Household Cavalry and battalions of Foot Guards, will accompany units only when the change of stations at home is effected by march route. In the event of a unit proceeding to or from a station abroad, the bicycles will be returned to the R.A.O.C.

Bicycles issued under para. **5** will be dealt with as in para. **75.**

48. When stores are to be drawn by troops direct from an ordnance depot the issue vouchers will be sent as a notification that the stores are ready for removal. Units will then arrange for the conveyance of the stores, and will produce the vouchers when applying for them.

B.—RECEIPT AND INSPECTION OF EQUIPMENT

49. When equipment is received by the troops, the officers or others receiving it will ascertain that the various packages are in good order and condition, and that sealing labels where used, are not broken, but whether in external good order or not, all packages must be weighed immediately and compared with the weight marked on the outside.

Should the weights differ, or packages appear to have been tampered with or damaged in transit, the contents will be examined and compared, in the presence of the carrier's representative, with the packing note which each package should contain. Any damage or deficiency must be recorded on the carrier's note or bill of lading.

The contents of the packages should be examined at the earliest opportunity after receipt. Until this is done and the contents are found to be correct, any receipt given to the carrier should be qualified by the words " Contents not examined."

When any deficiencies and/or damages caused during land or coastwise conveyance are discovered, a report will be made to the carrier and to the consignor and will be confirmed to the former in writing on A.F. G 978 within three days. Unless this is done the carrier may disclaim liability. A separate report, which should include full particulars and the value of the deficiencies or damages, will also be made within three days to the officer i/c transport of the consignor's sub-district,

who will be responsible for subsequent investigation and recovery of the value of the loss or damage from the carrier.

Detailed instructions regarding the action to be taken by consignees when reporting deficiencies and/or damages caused during conveyance by sea, other than coastwise, will be found in the Regulations for Supply, Transport and Barrack Services.

50. The articles will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the C.O., or an officer deputed by him. The C.O. may detail, instead of one of the officers, a warrant officer or senior N.C.O. who is not directly concerned with the accounting for, or the charge of, the stores concerned.

51. The equipment will be inspected carefully to verify that the articles delivered agree with the particulars in the vouchers and that they are correct in point of quality and pattern. Articles received by number and weight will be both counted and weighed.

52. Should the precautions in the preceding paragraphs be omitted, the officer receiving the stores will render himself liable for any discrepancies.

53. When discrepancies are found to exist between the quantities or descriptions of stores actually received and those charged, a discrepancy report on A.F. G 985, in duplicate, accompanied by packing notes, will be sent to the consignor and a reference to it made on the duplicate (*i.e.* consignor's) copy of the voucher thus :—" except as in D.R. . . . attached ". The figures or designations shown on this copy of the voucher will *not* be amended. The fullest information will be given thereon, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes. The original copy of the discrepancy report, with the subsequent correspondence, will be attached to the receipt voucher in support of the alterations made therein. The original entry in the consignor's ledger will be allowed to stand. The duplicate copy of the discrepancy report, showing how the discrepancy has been adjusted, will be attached by the consignor to the issue voucher. The numbers and descriptions of stores actually received will be brought to account, except where it is clear that the full numbers charged were actually issued by the consignor, and it is also evident to the consignee how the deficiency has arisen, *e.g.* a loss from a sling in unloading a vessel, when the matter will be dealt with by the consignee in accordance with King's Regulations, a clear receipt being given to the consignor, and a copy of

A.F. G 998 recording the decision being attached to the receipt voucher by the consignee.

If the discrepancy be admitted by the consignor, his account will be adjusted by certificate, receipt or issue voucher for the numbers over or under charged, a reference being given upon the certificate voucher to the original issue voucher and upon the original issue voucher to the certificate voucher.

When the consignor cannot admit that the consignee's report of the discrepancy represents the actual issue, the matter will be dealt with by the consignor, and in the case of deficiencies action will be taken in accordance with King's Regulations and the consignee notified to this effect on the original copy of the discrepancy report. A copy of A.F. G 998, on which will be recorded the decision of the G.O.C. or of the War Office, will be attached to the issue voucher by the consignor.

54. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the C.O. before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the articles will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

55. The hermetically closed cases in which fuzes, tubes and certain other articles are issued, will not be opened until the contents are required for use. Packages containing small arm ammunition and gunpowder will be taken on charge unopened.

Tinned plate cylinders and boxes containing detonators, tubes, fuzes, rifle grenade cartridges, aiming tube cartridges, primers electric and percussion, primers light G.S., primers portfire, primers rocket, primers guncotton, cartridges Q.F. howitzer, mortar cartridges, guncotton yarn, exploders H.E. shell and tracers shell, will not be accounted for separately when containing such ammunition. When empty, such cylinders and boxes will be returned to R.A.O.C.; only those detailed in **Appx. 57** will be accounted for by units.

Zinc or tinned cylinders for B.L. cartridges will be accounted for.

Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used will be reported at once and all details upon the cases will be quoted.

56. Cinematograph films in possession of units will always be stored in the metal transit cases in which they are received from the R.A.O.C., and when returned to R.A.O.C., or sent elsewhere, they must be despatched in the metal transit cases.

57. In cases in which the reports of C.Os. or others bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the G.O.C. considers further action necessary.

58. A C.O. in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue.

59. Stores supplied through the agency of the Ministry of Works and Planning will be accounted for in the usual manner. In addition to his signature and the date, the number of the receipt voucher by which they are taken on charge and the description and period of the unit account (when these are applicable) will be recorded by the consignee on H.M. Office of Works' form of receipt.

C.—RETURN OF EQUIPMENT

60. Whenever it becomes necessary to return stores to the R.A.O.C., authority will be obtained from the A.D.O.S. concerned by submitting A.F. G 1033, or A.F. G 1033A in the case of stores which will be returned to the C.O.O., Didcot, in quadruplicate, particulars of consignee and details of date and mode of conveyance being omitted at this stage.

A covering memorandum will be forwarded with the vouchers giving an explanation for the return of stores other than unserviceable, except when the return is authorized in A.C.Is. or War Office letters, etc., when it will be sufficient to quote such authority on the A.F. G 1033 or 1033A. On receipt of A.F. G 1033 or 1033A, the A.D.O.S. will enface all copies with the authority for the return of the stores and the depot to which they are to be consigned. Three copies will be returned to the unit for transmission to the R.A.O.C. when the stores are returned and the quadruplicate copy forwarded to the R.A.O.C. depot concerned. A.Fs. G 1033 or 1033A will be passed to the ordnance officer of the receiving depot at least 72 hours before the stores are likely to arrive, unless the stores are actually handed over at an ordnance depot, in which case the vouchers can accompany the stores and a temporary receipt will be given to the consignor on the quadruplicate copy of the voucher.

61. A separate voucher will be prepared for each vocabulary section or sub-section, and each sheet will bear the regimental or corps office stamp. The identification number of technical parts, as given by the identification list, will be shown on the voucher immediately preceding the designation of the item. The W.D. registered number, or, if this does not exist, the maker's name and number, of any of the stores detailed in **Appx. 4** will be inserted on the vouchers. In the event of any of these articles having no such number, the remark " No identification mark exists " will be entered. In the case of " A " and " B " vehicles, a separate voucher will be used for each type of vehicle and marked " A " or " B " in the top right-hand corner. Catalogue numbers and sizes, where applicable, will be shown in the appropriate columns of A.F. G 1033A for such stores as have been allotted catalogue numbers in the Priced Vocabulary of Army Ordnance Stores. The vouchers will be signed by the consignor, and one copy, duly signed by the consignee, will be returned as soon as practicable after the stores have been received. When stores are passed to other accountants, the vouchers will be forwarded in duplicate only. Copies of vouchers required under the cost accounting scheme are not included in the foregoing instructions.

62. Packages, including sacks used for packing purposes, will be charged or mentioned on the same voucher as the stores that are contained in them. In the event of stores on two or more separate vouchers being contained in one package, the vouchers on which the stores are charged will give a reference to that on which the package is charged.

63. When articles are returned to store in packages, a packing note on A.F. G 1028, signed by the packer and also by the person witnessing the packing, will be placed in each package. The W.D. registered number or, if such does not exist, the maker's name and number, of any of the stores detailed in **Appx. 4** will be inserted on the packing note. In the event of any of these articles having no such number, the remark " No identification mark exists " will be entered.

64. When stores are returned to an ordnance depot, the voucher number will be conspicuously marked on the outside of each case or package to enable the consignee to identify it immediately on receipt. The vouchers will also quote the number and date of the carriers or convoy note on which the stores were despatched. Each case, bale or package will be weighed and the weight marked on it.

65. C.Os. will make their own arrangements for conveyance

(as in the case of issues, *see* paras. **48** and **68**) when returning unserviceable and surplus equipment to the R.A.O.C.

66. When consigning stores, etc., C.Os. will arrange that packing-cases and chests not fastened securely with hoop-iron bands, are sealed with labels (A.F. G 1018), which will be securely pasted over the external junctions of the bottom and body, and lid and body of the cases, etc. The labels when put into use will, for identification purposes, be impressed with the consignor's regimental or office stamp.

A label R51 must be affixed to the top of all packing cases and chests containing optical instruments and their components.

These instructions will not apply to packages containing explosives already sealed with explosives labels, or to boxes containing such stores as horseshoes, nails, etc., which are not liable to theft.

67. Instructions for packing optical instruments and their components for despatch within the United Kingdom and to and from stations abroad are contained in **Appx. 34.**

68. When a unit is quartered at a station where there is an ordnance depot, issues of equipment such as small arms, accoutrements, harness, pack-saddlery, saddlery and parts of bicycles, to replace similar unserviceable articles, will not be made until the unserviceable articles have been returned to the R.A.O.C., inspected, and condemned, or returned to the R.A.O.C. after inspection and condemnation by the C.I.S.A., C.I.A. or other inspector. The day and hour for return of unserviceable equipment and for issue of new equipment will be arranged by communication between the O.O. and the C.O.

69. When no ordnance depot exists at the station, the unserviceable articles will be returned to store as soon as possible after receipt of the new equipment. Corps marks will not be placed upon the new equipment until a notification is received from the O.O. that the articles returned are considered to be in a state for condemnation. The inspection and notification by the R.A.O.C. will be carried out immediately the stores are received. Should any of the equipment so returned be found to be still serviceable or capable of repair by military tradesmen, the C.O.O. will call upon the C.O. to accept return of such equipment, or, if liability is not admitted, to furnish an explanation for the information of the G.O.C., who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned,

they will be sent back to the unit, and the new articles will be returned to the R.A.O.C., the cost of carriage unnecessarily incurred being defrayed by the C.O.

70. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the C.O.O. will prefer a claim against the C.O. and, if the latter disputes liability, will then report the facts to the G.O.C., who will determine, by means of investigation by a board of officers, or otherwise, whether the troops are liable.

71. Unserviceable or obsolete stores on charge of a unit may, under the authority of the G.O.C., obtained through the A.D.O.S., be disposed of locally to save the expense involved in transporting them to the nearest ordnance depot for survey and condemnation. In giving effect to this arrangement the general rules to be observed in the condemnation of equipment are as follows :—

(*a*) The condemnation of stores will not be effected by the unit on whose charge they are held.

(*b*) Whenever possible, the condemning authority should be either an O.O. or a garrison board.

(*c*) At remote stations where there are insufficient officers to form a garrison board, it may be undesirable, in the interests of economy, to adopt either alternative mentioned in sub-para. (*b*). In such cases the G.O.C. may instruct a competent military officer to examine the stores and, after consideration of his report, authorize their condemnation and local disposal. Officers should not be specially detailed for this duty if, within a reasonable time, a qualified officer will visit the station in connection with other military duties.

(*d*) All instructions for the disposal of stores will be given by the A.D.O.S.

72. No reduction in any authorized equipment will be made except as permitted by E.R., Part 2, Section 12A, without the sanction of the War Office, but if, owing to an authorized reduction, or any other cause, officers who are accountants have on charge surplus equipment not likely to be again required within a short period, the G.O.C. will decide whether it shall be retained or returned to store. When a reduction in the establishment of men or horses is authorized, the articles to be disposed of will be the actual complete sets of equipment in use by or held for the men or horses.

73. Units will, on change of station, obtain the authority of the G.O.C. for the return to R.A.O.C. of such stores of a bulky nature as can be temporarily dispensed with.

On receiving the stores the O.O. will furnish the C.O. with a certificate of their quantity and condition. This certificate will be attached to the indent for equivalent supplies at the new station.

74. When it is not advisable to return these stores (as, for example, should there be no ordnance depot, at the station to which the unit is proceeding whence a fresh supply could be obtained), they will be taken with the unit, and public conveyance will be provided; but if this is impracticable and expenses are incurred for carriage from one station to another the charge must be supported by a list of the stores and a certificate from an officer of the R.A.S.C. to the effect that army transport could not be provided.

75. All equipment issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless it is required to be handed over to the incoming unit, when the transfer will be effected through the R.A.O.C.

76. On change of station outgoing units will hand over all equipment and practice small-arm ammunition on charge to the incoming unit, with the exception of a sufficient quantity to provide guards and escorts with 20 rounds a man.

Equipment ammunition, practice ammunition and opened boxes of either category will be shown separately on the vouchers, and certified copies of the vouchers will be forwarded by the incoming unit to the A.D.O.S. of the area.

The officer who hands over the ammunition will be furnished with a proper receipt, which will be the authority for the unit to draw a similar quantity at the new station (*see* para. **188**).

In any case where handing over to the incoming unit is not practicable, the outgoing unit will report the circumstances to the A.D.O.S. of the area, who will issue disposal instructions.

77. When stores are issued from the R.A.O.C. for a temporary service, the C.O. concerned will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

78. C.Os. are responsible for seeing that all packages (including sacks used for packing purposes) received with equipment of any kind are handed over to the R.A.O.C. as soon as they can be dispensed with.

79. As at stations where there is no ordnance depot a consignment of cases, etc., from a single unit might be insufficient to obtain the lower rate of freight, Os.C. troops will, subject to

para. **60**, arrange, monthly if necessary, for all empty packages to be sent in one consignment to the ordnance depot concerned. Each package will have clearly marked upon it the name of the consigning unit.

80. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosives being returned into ordinary store depots, instead of into the magazines, as well as to preclude the possibility of matches, iron nails, etc., being left among stores of any kind. Particular attention will be paid to the inspection of personal equipment to see that no live rounds of S.A.A. are contained therein.

81. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

82. Instructions regarding the conveyance of stores, etc., sent away from consignor's station will be found in King's Regulations and in the Regulations for Supply, Transport and Barrack Services. (*See also* **Appx. 48** regarding storage, use and conveyance of inflammable and other dangerous stores.)

83. Live ammunition or explosives will never be packed in the same boxes with non-explosives or fired cartridge cases and similar articles.

Packages containing fired cartridge cases and similar articles on return to the R.A.O.C. will be marked clearly as " free from explosives."

84. In the case of " fired " cartridge cases (other than small arms ammunition) and similar " fired " ammunition, a certificate to the effect that the contents are " fired cartridge cases, etc., and free from explosives " will accompany the vouchers on which the stores are charged. These certificates will be signed by an officer or responsible warrant officer or N.C.O.

85. When packages (except those for filled shell and S.A.A.) containing explosives are emptied, they will have a label* attached in such a manner that the package cannot be opened without tearing it. The label will show the corps or department by which emptied, the date and the station, and will be signed by the person who examined or emptied the package, who will be responsible that the package is empty.

86. When stores are forwarded under escort or by convoy, convoy notes, A.B. 158, will be prepared in triplicate, detailing

* Label L 412 supplied by R.A.O.C. on indent, as required.

bundles, bales, packages and loose articles, and signed by the officer despatching the stores. These notes will be handed to the O.C. the escort, or to the conductor, who, after satisfying himself that the packages, etc., are correct, will receipt one copy and return it to the consignor.

On arrival at the destination the convoy notes will be handed to the consignee, who will return a receipted copy to the O.C. the escort, or to the conductor.

When there is a discrepancy between the packages, etc., actually received and those detailed on the convoy notes, the necessary inquiries will, if possible, be made before the O.C. the escort or conductor is discharged. The convoy notes will be amended to agree with the stores actually received.

Issue vouchers will be passed in the ordinary way for stores forwarded by convoy or under escort.

87. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the C.O. for the escort, stating the day and hour when it will be required and, unless the transport is provided by the troops, the number of vehicles to be escorted. (*See also* para. **10.**)

88. The whole of the recovered fired cases of small-arm ball and blank, and ·22-in. R.F. cartridges supplied gratuitously will be brought on equipment ledger charge by certificate receipt voucher and returned to the R.A.O.C. The cases will be brought on charge by weight and not by numbers.

Nature of ammunition.	Minimum weight to be brought to account for each 1,000 rounds expended.
	lb.
·22-in. R.F.	1½
·303-in. ball	24
·303-in. blank	12 (Rifle battalions 6-lb.)
Revolver, ·455-in., ball and blank ...	9
Revolver, ·38-in., ball and blank ...	7
·5-in. ball	70
·5-in. blank	70

The rates to be charged for any deficiencies in the above minimum proportions for ammunition supplied gratuitously, and amounts to be refunded to units returning fired cases of ammunition supplied on payment, will be notified half-yearly to D.Ds.O.S. These rates will be notified in command orders.

The number and date of the ordnance voucher on which the cartridges were received will be quoted on the issue voucher (A.F. G 1033) charging the empty cases to the R.A.O.C.

Charges and refunds under this paragraph will be adjusted in the accounts of the command paymaster.

89. Cases will be returned to store in the empty ammunition packages once a quarter, and C.Os. will not return a less weight than that representing 1,000 cases, except in the last quarter of the accounting year, when the outstanding balance, whatever it may be, will be sent in. Cases must be in good condition when returned, care being taken that grit and dirt are removed and that no live cartridges, chargers or any metal other than brass or copper are included in them. Each package will contain a packing note, on A.F. G 904, showing the rank, name and unit of :—

(*a*) The person by whom the cartridge cases were sorted and packed.

(*b*) The responsible individual supervising the sorting and packing operations.

A certificate to the effect that the cases are free from explosives and that no metal or material other than brass or copper is contained in the packages will accompany the vouchers on which the cases are charged.

If live cartridges are found in any of the packages, the matter will be reported to the G.O.C. for such disciplinary action as he considers necessary.

90. The foregoing general instructions apply equally to chargers and bandoliers issued with ball ammunition.

Chargers and bandoliers will not be brought on charge separately when issued with ball ammunition, but the vocabulary designation of the ammunition will be amplified on the following lines :—

Vocabulary designation.	*Amplification.*
Cartridges, small-arm, ball, ·303-in., Mk. VII.	Charger packed in bandoliers.

When ammunition is expended, bandoliers and chargers will be brought on charge (chargers by weight) by certificate receipt voucher with the fired cases ; the weight to be brought to account in respect of each 1,000 chargers will be 27 lb.

Vocabulary rates will be employed in calculating :—

(*a*) Charges for deficiencies.

(*b*) The sum to be refunded to units for chargers and bandoliers returned from issues of ammunition on payment. No refund will be made for chargers returned in an unserviceable condition or for bandoliers damaged unfairly.

Cartons used for packing small arm ammunition will be disposed of locally.

91. One hundred " Bandoliers, cotton, 50 rounds " may be permanently retained by each unit of regular cavalry and infantry for the purpose of practising the supply of small arm ammunition in the field.

92. After filled grenades have been thrown, safety pins and rings, levers and base plugs will be collected as far as possible and returned to the R.A.O.C.

D.—ANNUAL INSPECTIONS

93. The O.C.R.A., the C.R.E. and the A.D.O.S. will at least once a year, or whenever necessary, make a joint inspection of works, magazines, storehouses, workshops, etc., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

E.—BOARDS OF SURVEY AND COURTS OF INQUIRY

94. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

95. When equipment of any kind is lost, destroyed or damaged, and it is a matter for consideration (owing to responsibility not being clear, or the charge being demurred to by the person held responsible, or for other reasons) on whom the expense of replacing or repairing it should fall, the course laid down in King's Regulations will be followed.

96. All reports to the G.O.C. of loss, destruction, etc., of ordnance stores will be sent to the A.D.O.S., and will be accompanied by A.F. G 998 in duplicate, completed in strict accordance with the instructions contained thereon.

In the case of loss by theft or suspected theft the police must be informed at once and their report attached to A.F. G 998.

97. All questions of loss or damage will be dealt with in the command in which the permanent station of the unit concerned is situated at the time the report of the loss or damage is forwarded to the A.D.O.S., irrespective of the command in which the loss or damage may have occurred.

98. After a decision has been obtained, the A.D.O.S. will forward a copy of the decision to the O.C. the unit concerned to serve as his authority to write off the stores.

The registry number and date of the decision of the G.O.C. or of the letter to the War Office will be quoted on the indents.

99. In cases where a court of inquiry is ordered by the G.O.C., an officer of the R.A.O.C. who is not the A.D.O.S. will, if available, be detailed to serve as a member of the court. The proceedings of such courts will be transmitted in duplicate, by the president, direct to the A.D.O.S.

100. If the loss or damage has occurred when the R.A. have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight lifted, the distance through which the stores were to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

101. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the R.A., R.E., R. Signals, or any particular service, the G.O.C. will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in King's Regulations dealing with these subjects.

F.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS

102. Every officer receiving equipment, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper army forms for all articles leaving his charge.

103. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paras. **105, 107, 123, 124, 276** and **594.** Detailed instructions for keeping these ledgers are given in **Appx. 1.**

104. All articles (including the drawing instruments referred to in para. **385,** typewriting machines, duplicators, etc.) authorized for use at headquarters of stations or commands will be accounted for by an officer to be nominated by the G.O.C.

105. Stores issued for education instructional purposes will be dealt with and accounted for as follows :—

(*a*) Maps (except copies of training maps of the vicinity of stations issued by command headquarters for training purposes) and drawing instruments will be held on unit equipment ledger charge and will always accompany all units on change of stations at home and abroad except India, Burma and Aden.

(*b*) Chemical and physical sets, blackboards, tools and implements will never accompany units on change of station and will be held on barrack expense store charge and issued to units on inventory.

(*c*) Command and unit libraries and books for instructional purposes will be dealt with as laid down in Educational Training.

106. Equipment and store accounts will not be kept by units while on active service in the field, except as laid down in Field Service Regulations, Vol. I.

107. Materials for repair and other consumable articles (except explosives, ammunition and consumable stores drawn for W.D. vessels and military engineering) drawn upon regulated scale for peace use will not be taken on charge in the equipment ledgers (*see* para. **434**) ; but any quantities remaining unused at the end of the year will be shown as in possession in the indent for the next year's supply. The receipt vouchers for these stores will be numbered as part of the normal series of vouchers and will accompany the equipment ledger when forwarded for audit. Packages (including sacks used for packing purposes) not already charged by voucher, including those from the Stationery Office, will be brought on charge by certificate voucher, by the unit receiving them, in the current account.

108. Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities expended will be written off charge by vouchers signed by the C.O. as follows :—

(*a*) *Gun ammunition* (*including blank ammunition fired from guns on fixed mountings*).

R.A. Coast Defence units.—As directed in E.R., Part 2, Section 12A.

R.A. units, other than Coast Defence.—One voucher on A.F. P 1926, at the conclusion of each training season.

R.T.C.—One voucher on A.F. P 1926, at the conclusion of each training season.

(*b*) *Blank gun ammunition other than that fired from guns on fixed mountings.*

Vouchers will be prepared as follows:—One voucher dated 31st March and another dated 31st August. When the account is closed for audit on any date other than 31st March or 31st August (*see* **Appx. 1,** para. 1) a third voucher, up to the date of closing, will be prepared. Each voucher will show the expenditure since the last write-off.

When a unit leaves a command a further voucher, showing the expenditure to date of departure, will be prepared.

(*c*) *Small arm ammunition other than that referred to in sub-paragraph* (*d*).

(i) One voucher at the end of the weapon training year and another when the account is closed. Each voucher will show the expenditure since the last write-off, and the voucher dated at the end of the weapon training year will be supported by A.F. B 187A. A copy of the authority of the Commander of Coast Defences should be annexed in support of the expenditure in respect of machine guns on armament charge.

(ii) The quantities shown on these vouchers must accord with the expenditure recorded in the unit's musketry return and its diaries of ammunition expended, A.B. 99, which must be produced for audit when required.

(*d*) ·303-*inch blank ammunition except that allowed for machine guns.*

Vouchers will be prepared quarterly, the number and date of the order allotting the ammunition being quoted.

109. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded monthly in accordance with para. **30.** Unserviceable articles will be returned to the R.A.O.C. The value of the lost or unserviceable stores (*see* paras. **115** and **116**) will be credited to the public in the company, etc., accounts on A.F. P 1954 (*see* para. **121**). The deficient stores included on A.F. P 1954 will be summarized on A.F. P 1925, by which they will be written off charge in the equipment ledger. A.F. P 1925, which will show prices and total values, will not be sent to the paymaster, but the enfaced copy of A.F. P 1954

returned to the unit by the paymaster will be attached thereto. The indent for stores in replacement will quote the number of the A.F. P 1925 by which the deficiencies are written off charge.

110. Should any deficient article for which a charge has been made be subsequently recovered, a refund of the amount paid may be made if authorized by the G.O.C. The refund will be supported by a reference to the cash credit, and to the voucher and account by which the returned article has been brought on store charge.

111. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the reports of the boards of survey or other authority will be attached to the voucher by which the articles are written off charge. Any stores required to be replaced will be obtained as laid down in para. **98.**

112. All stores disposed of locally under para. **71** will be written off charge in the equipment account by certificate voucher on A.F. P 1957. The command paymaster, through whom the matter has been adjusted, will duly certify this voucher, and the A.D.O.S. will approve it before the stores are delivered to the purchasers.

113. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulations, or under authority of the G.O.C. obtained through the A.D.O.S. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer will be quoted. When either of the officers concerned desires that an O.O. should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one C.O. to another on a change of command, which are governed by para. **19**, nor to the transfer of mobilization equipment from one unit to another, on relief, under para. **244**.

114. Os.C. the following detachments will become direct accountants for their equipment:—

(*a*) Detachments left behind by units proceeding on active service.

(*b*) Detachments serving abroad, and separated from their headquarters for lengthened periods and by considerable distances.

(*c*) Detachments of R.E. and R. Signals serving abroad belonging to companies, etc., serving at home, or *vice versa*. Detachments of R.E. and R. Signals serving at home, belonging to companies serving at home, will be governed by para. **36**.

(*d*) Detachments of the R.T.R., R.A.S.C., R.A.M.C., and R.A.O.C. stationed abroad.

(*e*) Detachments of the R.A.P.C. at home and abroad.

On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from the unit or units furnishing the men. The G.O.C. will report to the War Office the circumstances rendering the opening of a fresh account necessary.

115. (1) A soldier who, by neglect or culpable mismanagement, loses or damages any article of personal or public equipment will, subject to para. **116**, be charged as follows, unless he elects to be tried by court-martial.

(*a*) *Repairable damage.*—Actual cost of repair, including wages, materials or components and an overhead charge on the cost of " direct labour ", calculated at a rate per cent. which will be notified in A.C.Is. from time to time in the case of ordnance workshop repairs and at 100 per cent. when repairs are carried out in R.A.S.C. workshops. When repairs are carried out by ordnance mobile workshops during training, the element of " direct labour " will be estimated.

At home, materials and components will be charged at the vocabulary rates ; abroad, at the combined vocabulary rates and an extra percentage to cover cost of freight, which will be communicated from time to time direct to commands concerned. This extra percentage will not be charged on labour employed in repairs or on other labour. If the cost of repair exceeds the amount which would have been chargeable had the article been damaged beyond repair, the G.O.C.-in-C. may, at his discretion, authorize the less amount to be charged against the soldier.

(*b*) *Loss or damage beyond repair.*—At home, 75 per cent. of the vocabulary rate for the article ; abroad, 75 per cent. of the combined vocabulary rate and the extra percentage to cover cost of freight, which will be communicated from time to time direct to the commands concerned, unless, in either case,

it is established by evidence that the actual value* is greater or less. In that event, the nature of the evidence will be indicated on the voucher, and the actual value will be charged.

In the case of " U " articles held on charge as such the rate that will be charged will be 10 per cent. of the full vocabulary rate of the serviceable article unless a special rate is shown in the vocabulary for the " U " article, in which event that rate will be charged without abatement.

(2) As regards small arms, machine guns, mountings and bicycles, charges for deficiencies or damage will be assessed as follows :–

(*a*) *Rifles, Nos. 1 and 2; Pistols, revolver, No. 1; Swords; Scabbards, sword; Bayonets, No. 1; and Scabbards, bayonet, No. 1.*

Deficiencies	75 per cent. Vocab. rate	Subject to (1) (*b*) above
Damage to components or accessories—		
Not repairable (unserviceable) ...	75 per cent. ,,	
Repairable, but beyond the resources of the unit † ...	10 per cent. ,,	
Repairable under unit arrangements (including removal of rust and cleaning by examiner before sentence can be given)	4 per cent. ,,	
Not repairable, but not rendering the component unserviceable (barrel slightly cordworn)	4 per cent. ,,	

In the event of a complete arm being sentenced " unserviceable " or to be exchanged owing to damage not due to fair wear, any claim which may be preferred will be based on the sum of the value

* " Actual value " means the value to the Department, and not the disposal value. It will be determined by assessing the article at some definite proportion of its vocabulary price with the addition abroad of the same proportion of the full extra charge for freight.

† Except re-sandblasting of patt. ·07 bayonets which have been polished contrary to regulations for which the specific charge will be 6*d*. each bayonet.

of the components damaged, only if the total value of those components is less than the vocabulary rate for the complete arm.

In cases of injury to barrels, the percentage of the price of the barrel or cost of repair only will be charged, provided the body is in a serviceable condition.

(*b*) *Machine guns, mountings, and bicycles.*

Deficiencies	75 per cent. Vocab. rate (subject to (1) (*b*) above)

Charges will not normally be preferred for minor damage. In special cases, however, in which the extent of the damage, the circumstances or the general condition of machine guns, mountings or bicycles appears to warrant it, claims may be preferred at the discretion of the officer responsible for the inspection. When necessary the matter will be dealt with as provided for in para. **95.** Any claim which may be preferred, or the cost of the damage, will be assessed in accordance with the scale for rifles and pistols at (2) (*a*) above.

(*c*) Claims will not be preferred when the circumstances are such as to indicate that the damage is likely to have occurred in the ordinary course of training.

(*d*) No charge for damages will be made for D.P. or E.Y. arms, except for such as are manifestly wilful.

(*e*) No charges will be made against the troops for browning their small arms when the service is rendered necessary by fair wear.

(*f*) In cases of doubt regarding the assessment of charges or where exceptional circumstances seem to warrant a special charge, the matter will be referred to C.I.S.A. or A.D.O.S. in the case of bicycles.

116. Provided that the amount charged against the soldier is in accordance with the rules of assessment laid down in para. **115**, C.Os. may dispose of all losses, etc., except that—

(*a*) If the amount proposed to be recovered from any soldier exceeds £4, the approval of the G.O.C. must be obtained.

(*b*) If it is proposed to allow any portion of the loss, etc., to fall on the public, the matter must be dealt with under King's Regulations.

117. The authority of the A.D.O.S. will be sufficient for any charge in the company, etc., accounts on account of

equipment. Recoveries from officers will be adjusted in the accounts of the command paymaster.

118. When articles are ascertained to have been lost by desertion they will be struck off charge by a certified copy of the proceedings of the court of inquiry (A.F. B 115), held under the Army Act, Section 72.

119. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

120. A deserter rejoining will, by sentence of a court martial, or award of competent military authority, be liable to be placed under stoppages in order to make good the cost of replacing or repairing any articles found deficient or damaged on his desertion.

121. A return will be prepared in duplicate on A.F. P 1954 by account periods, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paras. **115** to **120**. The stoppage returns will be made out by squadrons, batteries or companies. In the cavalry and infantry the amount due from each squadron or company will appear in regimental orders for the account period in which the stoppages are recoverable from the soldier, and will be credited in the company, etc., account for the account period, the returns being annexed as vouchers.

122. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

123. The undermentioned articles will not be brought on charge in equipment ledgers of units :—

(*a*) Camp equipment, which will be accounted for to the R.A.O.C. as laid down in para. **276**.

(*b*) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (A.B. 165).

(*c*) Barrack stores, held on inventory from O. i/c barracks, or issued by the R.A.O.C. for use in camps. The latter will be accounted for as at (*a*).

(*d*) Stationery, army forms, army books, and books issued in accordance with Educational Training.

(*e*) Cartons used for packing small arm ammunition.

The following articles, when received filled, will not be accounted for, and, when empty after use, will be disposed of to the public advantage, where practicable, or else destroyed :—

Section H 1

Containers, tin, after being used for varnishes or similar stores which make efficient cleaning impracticable.
Cylinders, iron (including lead-free).
Cylinders, tin.
Drums, oil, 5 gallons (including lead-free).
Non-returnable trade pattern packages.

124. Official books, printed records, M.T. publications, and maps obtained from the R.A.O.C. will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.

125. Accountants will furnish with their periodical accounts a certificate to the effect that the list or catalogue alluded to in para. **124** has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.

126. On changes of heads of departments, staff officers, or C.Os., the officer assuming charge will verify the lists and report any deficiencies.

127. General instructions regarding the supply and use of methylated spirit, industrial, are contained in **Appx. 63.**

CHAPTER 3.—SMALL ARMS, ACCOUTREMENTS, AND ARM CHESTS

A.—GENERAL SUPPLY OF SMALL ARMS AND ACCOUTREMENTS

128. The small arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in E.R., Part 2.

The stores authorized to be issued with each Rifle, A/T (Boys), are detailed in **Appx. 66.**

129. Certain small arms are classified as follows :—

(*a*) *Extra service arms*
bear the distinctive letters (and consecutive numbers) of the issuing depot (*see* **Appx. 51**).

(*b*) *Rifles*

For rifle grenade training
are distinguished by the letters E.Y. stamped on butt, fore-end, body, barrel and bolt.

Drill purposes
are for drill purposes only, and are distinguished by the letters D.P. stamped on the parts as for rifles for grenade training.

Skeleton actions
are for instructional purposes, and are distinguished by the exposure of the principal working parts.

(*c*) *Bayonets—Drill Purposes*
are for drill purposes only, have the points removed, and are distinguished by the letters D.P. stamped on the pommel.

130. Bags, ration, will be held with mobilization equipments of units allotted to the expeditionary force on the scale of 1 each officer, warrant officer, N.C.O. and man.

131. Belts for use by drivers of M.T. vehicles when on duty will be issued as follows, where such items are not already authorized in units' equipment scales—

Designation.	No.	Remarks.
Belts, waist, B.E. leather	(*a*)	(*a*) 1 each motor car.
Belts, waist, B.E. leather (part worn) ...	(*b*)	(*b*) 1 each M.T. vehicle, except motor cars.

132. Units will always have, during peace, small arms and accoutrements for their full peace establishment.

133. Small arms and accoutrements being regimentally marked may not be transferred from one unit to another, except in time of war, and as provided in the following sub-paragraphs and in paras. **150, 155, 156, 330** and **333,** and in the case of warrant officers equipped with Sam Browne accoutrements, which will in all changes of station be taken with the warrant officer.

Accoutrements and steel helmets taken by warrant officers, N.C.Os. and men proceeding on furlough, and also these items plus small arms taken on courses of instruction of less than three months' duration, will be retained on ledger charge by the unit to which the personnel belong (except in cases of personnel sent home from abroad, *see* para. **157**) and included in the discrepancy statement referred to in the C.Os. certificate at the end of the ledger when the account is closed. When the duration of a course of instruction is three months or more, the accoutrements, etc., will be transferred by voucher to the unit or establishment to which the personnel are attached. The regimental markings on the accoutrements, etc., will not be altered by such unit or establishment, and, if it is necessary to replace any articles during the period of the course, the new articles will not be marked until the soldier returns to his own unit (*see* para. **330** as regards respirators).

Steel helmets will be taken by officers on all moves (except Ceylon, India and Burma). The necessary vouchers will be passed in the case of transfer between accounting units. Steel helmets in the possession of officers who are posted to the War Office or to non-accounting units for duty, will be written off charge by certificate issue voucher. When officers are re-posted to accounting units, their helmets will be taken on charge by certificate receipt voucher.

Steel helmets will be issued in peace to each officer, other rank and boy of the Regular Army and Supplementary Reserve at home; also to each serving member of the Q.A.I.M.N.S. (*See also* para. **263.**)

134. Extra service small arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to units temporarily augmented. Small arms so issued, being specially marked, will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the unit leaves the station, unless it is necessary to send them away with armed drafts, in which case a return of the number of small arms sent away and of their marking will be rendered by the C.O. to the R.A.O.C. These small arms will be shown in returns and accounts as "extra service" small arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

135. Officers, warrant officers, N.C.Os. and men for whom rifles are not issuable as personal equipment will, when required to perform musketry courses, be supplied, temporarily, with small arms taken from those issued for the rank and file. This procedure will also be followed in the case of infantry battalions, if the arms allowed for this purpose under E.R., Part 2, are not sufficient.

The same course will be followed when small arms are required by such ranks for use at voluntary practice or at authorized rifle meetings.

G.Os.C. will be responsible for securing that suitable regimental or local arrangements are made to govern these temporary loans, and that divided responsibility for any damage that may occur to the small arms is prevented.

136. D.P. small arms should only be demanded for the training of recruits, and in the case of infantry battalions should not be permanently retained, unless there is a reasonable prospect of their being required for frequent use.

They must NOT be used for ball firing.

137. Service swords will be used for all exercises except mounted combat.

138. "Swords, practice, gymnasia" will be used for mounted combat by all units.

139. Instructions for sharpening swords and bayonets are laid down in **Appx. 13.**

Swords will only be sharpened on mobilization.

Bayonets will be maintained during peace in a sharpened condition.

140. *Units returning from abroad.*—All the small arms (except rifles, as directed in para. **141**), machine guns and mountings, in possession of troops returning from service abroad will be examined as soon after arrival as possible by the C.I.S.A.

141. All No. 1, Mk. III and Mk. III* rifles (except D.P. rifles) brought home by units returned from foreign service will be exchanged as soon as possible after arrival at the home station. Rifles so withdrawn will be despatched to the C.I.S.A., Enfield Lock.

142. All reports relating to rifles will quote the number of the rifle, which will be found stamped on the body.

143. Instructions regarding the preservation, inspection, and repair of small arms are contained in **Chapter 17.**

B.—SMALL ARMS, ACCOUTREMENTS, AMMUNITION AND STORES FOR TROOPS AND ANIMALS ON BOARD SHIP

144. When the stores detailed in **Appx. 32** are to be placed on board hired transports or freightships, as directed in King's Regulations, the G.O.C. will cause full details to be furnished immediately to the C.O.O. nearest to the port at which the vessel begins its voyage.

145. The C.O.O. will—without indents from C.Os.—cause small arms, accoutrements, ammunition and other stores, in accordance with the scales prescribed in **Appx. 32,** to be placed on board for the whole of the troops and animals to be embarked, regardless of whether they all join the vessel at the port from which it commences its voyage, or are subsequently embarked at other ports, and irrespective of the stations at which they may be located when detailed for embarkation. The date upon which the vessel will be ready for the reception of the stores will be notified by the War Office to the G.O.C.

146. Before the vessel leaves the initial port of embarkation, O.C. troops will satisfy himself that the authorized proportions of equipment and clothing, as laid down in **Appx. 32,** have been placed on board, and that the ammunition has been properly secured in the magazine.

147. He will be responsible for the care and custody of this equipment and clothing during the voyage, and will see that they are duly accounted for in accordance with the following instructions:—

(*a*) When an acting quarter-master-serjeant is appointed to the ship, the equipment and clothing will, under the superintendence of the O.C. troops on board, be entered by him in A.B. 165 in the form of an equipment ledger (*see* **Appx. 1**). He will compile the account and report to the O.C. troops any deficiencies as they occur, to enable the necessary action to be taken in accordance with sub-para. (*c*).

The O.C. troops will, at the end of his period of command, see that the account is properly balanced for the period, and will render a certificate to this effect for submission with the account. He will be responsible for seeing that completed vouchers and any correspondence relating to deficiencies, etc., are put up in support of the account, and that all documents and certificates are passed to the acting quarter-master-serjeant to be handed over to the next O.C. troops.

On the discharge of the vessel from Army service, the ledger will be balanced and forwarded to the local auditor of the command in which the port at which the vessel is discharged is situated. The articles remaining on charge will be handed over to the nearest ordnance depot by the store accountant on board ship, issue vouchers being passed. Books will not be accounted for in the ledger. They will be vouched "within the line" when issued from and returned to R.A.O.C. store.

A similar procedure will be followed in the case of a freightship; the necessary action for balancing the ledger and for the disposal of the stores being taken at the final destination to which freight has been engaged.

(*b*) When an acting quarter-master-serjeant is not appointed, the C.O.O. at the issuing station will forward a list of the articles issued, to the O.O. at the terminal port of disembarkation, when this can be ascertained. The O.C. troops on board will, in all cases, give a receipt for the articles to the issuing officer, and will account for the articles to the O.O. nearest to the port at which the vessel completes its voyage.

(*c*) In either case, (*a*) or (*b*), the O.C. will, when ammunition or any other equipment has been expended during the voyage, give a certificate to the effect that such expenditure has been necessary, detailing the circumstances. Deficiencies (including deficiencies of books) will be dealt with as laid down in King's Regulations. The O.C. may, after due inquiry, authorize the write-off of equipment or clothing up to the limit of £5 in value. In the case of deficiencies of pith hats or khaki drill suits obtained from the India Store Department, no liability for losses or deficiencies, etc., will be admitted against Imperial funds. Certificates relating to expended articles and correspondence respecting deficiencies will be attached to the voucher bringing the remainder of the equipment and clothing on charge in the R.A.O.C. accounts. If any articles are disposed of en route at intermediate ports, the O.C. will obtain temporary receipts and attach them to the original vouchers.

(*d*) The destination of the troops will, where possible, be given by the issuing accountant on the voucher striking the articles off charge.

(*e*) In the case of troops proceeding to and from India or Burma, sums recovered from the troops embarked or disembarked at Indian (or Burmian) ports in respect of losses or damages during the voyage will be credited as follows :—

(i) At the end of an outward voyage — To the Controller of Military Accounts, Southern Command, Poona, in the case of Bombay; Western Command, Quetta, in the case of Karachi.

(ii) At the end of a homeward voyage — To the Command Paymaster, Southern Command, Salisbury.

All vouchers and claims in connection with (ii) will be enfaced in red ink "Indian Troop Service Accounts."

(*f*) Issues of clothing from stocks placed on board ship for issue on payment in replacement of losses or deficiencies, will be made by the O.C. troops on board, who will prepare A.F. H 1110 for all such issues. Complete instructions with regard to accounting are given on the A.F. H 1110.

C.—SUPPLY FOR ARTILLERY CLERKS, ESTABLISHMENT FOR ENGINEER SERVICES, MILITARY POLICE, ETC.

148. Small arms, accoutrements, etc., will be demanded and accounted for in the case of—

Armourers and Armament Artificers, R.A.O.C.—by the O.C. the unit to which they are attached.

Artillery Clerks—by the O.C. the brigade or battery to which they are attached.

Warrant Officers and N.C.Os. on the Establishment for Engineer Services, and Serjeant-Instructors of Physical Training—by the staff (or other) officer under whom they are serving.

Military Police, Aldershot—by the Commandant, Corps of Military Police, Aldershot.

Military Police at other stations—by an accounting officer at the station, to be nominated by the G.O.C.

R.A.P.C.—by the paymaster under whom the men are serving, or, in the case of personnel attached to units for costing duties, by the O.C. the unit to which they are attached.

149. The small arms and accoutrements of the warrant-officers, N.C.Os. and men referred to in the preceding paragraph will be regarded as part of the equipment of the unit to which they are attached, and will be marked with the unit's corps marks and consecutive numbers. These small arms and accoutrements will remain on equipment ledger charge of the unit and will not accompany the warrant officers, N.C.Os. and men on transfer, except in the case of Sam Browne accoutrements, which will in all changes of station be taken with the warrant officer, and as provided in paras. **155, 156, 330** and **333.**

150. Small arms, accoutrements, etc., for the A.E.C. will be demanded and accounted for by the unit to which the personnel are attached and will be marked with the corps mark and consecutive numbers, the allotment of which will be made by the O.C. Depot, A.E.C., and notified to units. Arms and accoutrements will accompany warrant officers and N.C.Os. on all changes of station, except India and Burma. Drafts proceeding to India or Burma will be dealt with as laid down in para. **155.**

151. Individual officers and other ranks supplied with pattern 1914 rifles for competition shooting may retain the rifles on change of station—

(*a*) within the United Kingdom,
(*b*) from the United Kingdom to an imperial station, and
(*c*) from one imperial station to another.

The rifles will be charged on vouchers to the unit at the new station to which the individual is transferred.

D.—R.A.S.C., R.A.M.C., R.A.O.C. (EXCEPT ARMOURERS AND ARMAMENT ARTIFICERS ATTACHED TO OTHER CORPS), R.A.V.C., AND A.D. CORPS

152. The small arms and accoutrements of warrant officers, N.C.Os. and men of these units will be marked with company, section or station marks, and consecutive numbers from "**1**" upwards in a series for each company, etc. For details of markings, *see* **Appendices 51** and **53.** Arms and accoutrements will not accompany transfers from one company, section or station, to another, except in the case of Sam Browne accoutrements, which will accompany warrant officers on all changes of station, and as provided in paras. **155, 156, 330** and **333.** No accoutrements will be taken by personnel of A.D. Corps on attachment to units of the R.A.F. for duty at home stations.

E.—UNITS PROCEEDING TO OR RETURNING FROM INDIA OR BURMA AND OTHER STATIONS ABROAD

I. India or Burma

153. Units proceeding to or returning from India or Burma will be dealt with as laid down in **Appx. 3.**

II. Other Stations Abroad

154. Units proceeding to, returning from or moving between other stations abroad will take their full establishment of small arms, accoutrements and steel helmets, even if under establishment in personnel, except that steel helmets will not be taken by units proceeding to or returning from Ceylon, and that haversacks, water-bottles, and mess-tins, with their component parts, as defined below, will only be taken for the actual strength of the unit—

(*a*) If equipped with web equipment, pattern 1908 :—
Haversacks (with brace with buckle).
Water-bottles (with carrier and brace with buckle).
Mess-tins (with cover).

(*b*) In all other cases—
Haversacks (with brace with buckle where necessary).
Water-bottles (with carrier and shoulder strap).
Mess-tins (with cover or strap).

Complete respirators will be taken for the actual strength of the unit.

F.—DRAFTS PROCEEDING TO OR RETURNING FROM INDIA OR BURMA AND OTHER STATIONS ABROAD

I. India or Burma

155. The small arms and equipment of such drafts will be dealt with as laid down in **Appx. 3.**

II. Other Stations Abroad

156. Warrant officers, N.C.Os. and men proceeding as "drafts" (except as laid down in para. **150**) will proceed without personal equipment, except that they will take respirators, haversacks, water-bottles, and mess-tins, as in para. **154.** Sam Browne accoutrements will be taken by warrant officers where authorized under E.R., Part 2.

Men proceeding to the R.A.F. on attachment will be equipped with respirators, haversacks, waterbottles and mess tins as in para. **154.**

No charge will be raised against the Air Ministry for these articles but personnel rejoining Army units from service with the R.A.F. will be required to be in possession of similar articles. During the period of attachment, normal replacements of any of the articles will be effected on repayment, the cost being borne by Air Ministry funds.

To avoid breaking up complete sets of pattern 1937 web equipment, all drafts will be equipped with serviceable part worn items of pattern 1908 web equipment as draft equipment.

157.—(*a*) When men are sent home from stations abroad for any of the following reasons, the C.O. concerned will ensure

that separate A.Fs. G 1033, for personal equipment, are prepared, in duplicate, for each man, showing thereon the army number and the name of the man to whom they refer, and forwarded to the O.C. unit, etc., to which the man is sent.

(i) Married men transferred to the home establishment.
(ii) Men proceeding to vocational training centres.
(iii) Invalids (*see* sub-para. (*d*) below).
(iv) Men transferred to the Royal Army Reserve.
(v) Men for discharge
- *Men of good character.*— Vouchers to be sent to O.C. unit.
- *Men of bad character.*— Vouchers to be sent to the embarkation staff officer at the port of disembarkation.

(vi) Any other men who are not likely to pass through the depot (except those under sub-paras. (*b*) and (*c*) below).—

(*b*) In the case of all others (except those under sub-para. (*c*) below) A.Fs. G 1033, in duplicate, for personal equipment, will be forwarded, together with a nominal roll of the men to whom they refer, to the O.C. unit to which the men are sent.

(*c*) In the case of men sent home to undergo imprisonment in a civil prison, A.Fs. G 1033, in duplicate, for personal equipment, will be rendered, for each man, to the Embarkation Staff Officer, Southampton, who will be responsible for amending them, as necessary, and forwarding them to the O.C. the infantry depot at Dorchester or Winchester according to the prison to which the man is committed.

(*d*) In the case of invalids, A.Fs. G 1033, in duplicate, for personal equipment will be sent to the O.C. hospital.

The equipment will be brought on ledger charge and copies of A.Fs. G 1033 returned to the unit duly receipted. The O.C. hospital will arrange for the equipment to be returned to the R.A.O.C. Men subsequently found fit for further service will receive equipment from the unit which they join.

G.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION

158. Articles for musketry instruction will be supplied in the proportions shown in the several sections of E.R., Part 2.

They will be accounted for in the equipment ledger and returned into store upon embarkation for active service.

H.—SUPPLY OF ARM CHESTS

159. Regimental arm chests, with hinges, suitable for the packing of rifles, are issued by the R.A.O.C. for use during peace, at the rate of one chest for each R.A. coast defence unit and each R.E. or R. Signals unit; six chests for each regiment of cavalry, and eight chests for each battalion of infantry. The cost of the repair of the chests will be defrayed in the manner laid down in Allowance Regulations. These packages will be supplied only to the above-mentioned services.

160. Instructions for the packing of rifles are contained in **Appx. 14.**

161. When arm chests and chests and cases for machine guns and mountings have been emptied, the fittings will be carefully replaced in position; they will not be thrown in loosely. These packages and also cases S.A., whether full or empty, will be stored in dry, airy, storehouses, the bottom tier being raised about 4 inches from the ground or flooring.

CHAPTER 4.—MACHINE GUNS

162. Machine guns will be issued to—

(*a*) Stations at home and abroad to form part of the armament available for general or local defence. In cases where these machine guns would be liable to deterioration if left mounted, they will be kept in their chests in store, ready for immediate use.

(*b*) Units and schools of instruction as detailed in the various sections of E.R., Part 2.

163. The stores authorized to be issued with each Gun, machine, Bren, ·303-in., M.G., Mk. I, are detailed in **Appx. 67** and with each Gun, machine, Lewis, ·303-in., Mk. I, in **Appx. 68.**

164. Certain machine guns are classified as follows :—

Drill purposes
are for drill purposes only, and are distinguished by the letters D.P. stamped on the principal parts. This also applies to machine-gun barrels intended for drill purposes only.

Skeleton
are for instructional purposes, and are distinguished by the exposure of the principal working parts.

Barrels for blank firing, Vickers ·303-in. M.G.
distinguished by the letters D.P.B. on the trunnion block.

Barrels for use on mobilization
are distinguished by a white band painted on them.

165. Barrels will be provided as laid down in **Appx. 58** for machine guns forming part of war equipment.

166. Machine guns in store will be kept in the approved pattern chests or cases provided for the purpose. They will not be stacked out of their chests or cases, as this may lead to damage and distortion.

The packages will be kept in a dry condition, the felt or other absorbent linings being greased, as necessary, with red mineral jelly.

167. When the bolts, locks and cocking handles of Lewis, Vickers and Hotchkiss guns, respectively, are ordered to be stored apart from the guns, there is no necessity to keep any record, as these components are interchangeable.

168. In packing Mark IV tripod mountings care must be taken to protect the dials and joint pins from damage in transit by wrapping canvas, hessian, old blanket or other suitable materials round them, the legs being not only clamped but tied together securely.

169. When the accuracy of the shooting of a machine gun fails and the barrel appears worn, an accuracy trial will be carried out in accordance with the Small Arms Training, Vol. I, Pamphlet No. 1. If the barrel fails the test, the O.C. will at once indent for another barrel and on receipt will forward the doubtful barrel, accompanied by the diagram obtained, A.F. B 202, to the A.D.O.S. for transmission to the C.I.S.A., Enfield Lock, for final sentence.

170. In units to which D.P. machine guns are allowed, such guns only will be used for instruction in stripping.

In other units, one machine gun in each unit may be stripped to afford the personnel opportunities of becoming thoroughly acquainted with the working and mechanism of the machine gun. The stripping must be carried out in the presence of an officer who has qualified at the Military College of Science, or at the Small Arms School (Netheravon Wing in the case of the Vickers gun, or Hythe Wing in the case of the Hotchkiss and Lewis machine guns).

171. Instructions regarding the preservation, inspection and repair of machine guns and mountings are contained in **Chapter 17.**

CHAPTER 5.—AMMUNITION

A.—EQUIPMENT SMALL ARM AND MACHINE GUN AMMUNITION

172. Equipment small arm and machine gun ammunition will be supplied in time of peace in accordance with the scales laid down in the various sections of E.R., Part 2, and should always be in possession of units, except as provided for in para. **76** on change of station.

173. On mobilization the quantities will be increased by the additional rounds, if any, laid down as the first line reserve for war. The latter quantities will be held with their mobilization equipment.

For units not provided with first line reserve ammunition, S.A.A. will be held with their mobilization equipment.

174. In cases of emergency the ordinary supply of equipment ammunition can be increased to such additional quantity as the G.O.C. may consider necessary.

175. Extra issues of small arm ammunition remaining unexpended will be returned to the R.A.O.C. on the termination of the service that necessitated the supply.

176. All ammunition that is not in actual use will be kept in the regimental magazines in charge of the quarter-master.

In no circumstances will drill cartridges be kept in, or issued from, the same store as that used for ball or blank ammunition, and in no circumstances will live cartridges be taken into a workshop or other building used for instruction or examination of firearms (*see* para. **439**).

177. Regular examination of drill cartridges will be made before use each day to ensure that no live rounds are present.

Weapons must never be left cocked.

178. Revolver ammunition will be allowed in accordance with the following scale for officers proceeding on active service :—

	Carried.			
	On the person. Rounds.	In regtl. transport. Rounds.	By R.A.S.C. Ammunition Coy. Rounds.	By R.A.S.C. Maintenance Coy. Rounds.
Officers belonging to units with divisional formations	12	6	6	6
Other officers	12	6	—	—

B.—SMALL ARM AND MACHINE GUN AMMUNITION FOR PRACTICE AND EXERCISE

179. Units may expend annually, as laid down in the weapon training manual applicable to their arm of the service, the quantities of small arm ammunition authorized by A.C.Is. The quantities authorized are intended to cover requirements for testing rifles and revolvers in the manner laid down in Small Arms Training.

180. Expenditure of ammunition in excess of authorized scales is a loss to the public and will be dealt with from the disciplinary aspect in the same way as other losses of public stores. Over-expenditure of small arm ammunition, amounting to not more than 1 per cent. of the total entitlement of the unit in the weapon training year concerned, may be written off locally under King's Regulations where it is established that the over-expenditure was due to excusable circumstances. In all other cases, however, War Office authority will be required if it is proposed that the value of over-expended ammunition shall be borne by the public.

181. Subject to any special orders which may from time to time be issued from the War Office, the small arm ammunition to be expended at practice will be taken from that already in possession of troops and that received from the R.A.O.C. in the following order :—

(*a*) The contents of broken boxes, viz., boxes, the tin linings of which have been opened.

(*b*) Ammunition repacked at stations other than Woolwich or Bramley.

(*c*) Ammunition re-examined and repacked at Woolwich or Bramley, the original date of which is not known. Boxes containing this ammunition bear a label containing the words " EXAMINED [year] " in place of the detailed information as to make and date which usually appears. This ammunition will be used in the order of the date of re-examination.

(*d*) Ammunition labelled for early use or for use by some definite date.

(*e*) Ammunition not specified above, the oldest date of manufacture being used first.

The linings of boxes are not to be disturbed until the ammunition is actually required for use.

182. When ammunition is found to be defective, the description, maker and date of manufacture marked on the box are to be noted. The rounds complained of, with their

cartons, wrappers, charger cases or bandoliers, and further samples from the same box, and the arms with which failure occurred, will be examined locally as far as possible. The G.O.C. will, if necessary, arrange for the rounds, with their cartons, wrappers, charger cases or bandoliers, and further samples, with precis of information, to be forwarded direct to the C.I.A., Woolwich, who will pass his report with his remarks to the War Office, should he consider the matter important; otherwise he will report to the station direct. Should it be found necessary to send a box, or boxes, of ammunition, they will be sent to the C.O.O., Royal Arsenal, Woolwich, the boxes to be marked clearly " For Special Examination by the C.I.A., Woolwich." The label will quote the paper referring to it. The arms will be kept available for special inspection, if ordered.

183. Scales of blank and other ammunition for training remounts will be notified from time to time by A.C.Is.

184. C.Os. may obtain on payment from the R.A.O.C. such quantities of small arm ammunition as may be required for regimental purposes. Revolver ammunition will only be issued on payment for the use of those ranks who are armed with the revolver on service.

Bandoliers, chargers and cartons issued with small arm ammunition will be charged for at vocabulary rates.

185. Units * joining the Army Rifle Association may obtain annually on payment at half vocabulary rates 5 rounds ·303-in. ammunition for each rifle on charge (10 rounds in the case of units stationed abroad whose peace establishment is 100 or less), and 6 rounds ·455-in. ammunition (·38-in. in the case of units armed with the ·38-in. pistol) for each revolver on the authorized establishment. The allowance may also be drawn for men borne on the establishment of schools of instruction, provided that the " school " joins the Army Rifle Association.

Bandoliers, chargers and cartons issued with small arm ammunition will be charged for at vocabulary rates.

Ammunition drawn under this para. may not be transferred from one unit to another.

186. Indents for practice and exercise ammunition will be sent to the A.D.O.S. in sufficient time to admit of the issue being made for the annual weapon training practice. The quantities to be demanded in each year will be based on the number of men in or attached to a unit who it is anticipated will commence the annual weapon training courses.

* The R.A.O.C. at home will be considered as one unit for the purpose of this paragraph.

187. The indent will be made, although at the time the unit may be under orders to leave the district. (*See* para. **188.**)

188. Before leaving the station the C.O. will be furnished with a balance certificate, on A.F. G 802, showing the amount of ammunition due to the unit on indent, and that handed over to the incoming unit or returned to store under para. **76.**

189. Any of the annual supply of ammunition which has not been drawn by the end of the weapon training year for which it is allowed, will be forfeited, and any which has been drawn but not expended will be credited to the ammunition account in diminution of the annual allotment authorized for the following year. The weapon training year at home stations will begin on 1st November; at stations abroad the instructions contained in Small Arms Training, Vol. I, Pamphlet No. 1, 1937, will be followed. Permanent dates to meet climatic conditions must, however, be fixed for each command and notified to the War Office.

A unit proceeding on foreign service before the end of its weapon training year may claim a proportion of the unexpended balance of its annual small arms ammunition allotment at its new station.

This proportion will be based on the number of those men who have accompanied the unit to its new station and have not completed on date of departure their annual weapon training course for the current weapon training year at home. Ammunition so claimed will be forfeited unless expended before the close of the weapon training year in force at the new station.

190. Cartridges, S.A. drill, ·303-in. are, owing to frequent use, liable to become damaged, and this causes jams to occur when they are used in tests for rapid loading. Periodical inspections of the cartridges held by units will therefore be made, and cartridges found to be damaged will be returned to the R.A.O.C., and others demanded to replace them.

191. Small arm drill and dummy cartridges must be examined frequently to ensure that only the authorized patterns are being used.

C.—GUN AMMUNITION FOR PRACTICE AND EXERCISE

192. The annual allowance of gun ammunition for practice and exercise, with instructions relating thereto, will be promulgated annually by A.C.Is.

D.—DISPOSAL OF FIRED Q.F. CASES AND UNEXPLODED PROJECTILES

193. Fired Q.F. and 1-in. aiming cartridges will always be cleaned immediately after firing. The primers will not be removed from the cartridge cases. If the cartridges have been fired with cordite or ballistite they should be soaked for 15 hours in clean fresh water containing $\frac{1}{2}$ oz. of soda crystals to the gallon, and afterwards well scrubbed until clean; they should then be rinsed in clean water and wiped perfectly dry. A longer soaking or the use of warm water will facilitate the cleaning and may be necessary in very cold weather. Soda may be used with cartridges which have been fired with powder, but its use is not essential in this case. After cleaning, cartridges will be mopped inside and outside with mineral jelly.

194. After being dealt with as in para. **193** the cartridges will be repacked in the boxes in which they were supplied and returned to the R.A.O.C. as soon as possible, the clips being replaced on the cartridges which have them. Fired cartridges are not on any account to be repacked in boxes containing unfired cartridges.

195. Notices will be posted in the vicinity of all ranges, cautioning the public as to the extreme danger of handling projectiles found on the ranges, and informing them that no rewards or payment of any description for finding, or for collecting projectiles, will be made to a civilian.

196. Immediately on the close of practice each day, search will be made on the ranges for unexploded projectiles.

197. In order to ensure the discovery and destruction *in situ* of unexploded projectiles lying on land and sea ranges, Shoeburyness excepted (*see* para. **199**), a reward will be paid to any soldier of the Regular Forces, or Supplementary Reserve, or member of the Territorial Army up for training or exercise, or Coast Guard man, or any Government agent appointed by the Secretary of State, who reports at the nearest military station the position of any unbroken projectile, fuzed or plugged, on or near any practice range. In exceptional cases a reward may also be paid to civilians who have a right of grazing, etc., on the ranges, and to their employees necessarily employed on the land. Payment will not be made if the projectile has been disturbed by the finder.

Payments of rewards to military working parties, employed on the collection and destruction of unexploded projectiles, metal from rifle ranges, etc., are not admissible.

Receipts for all sums paid for the recovery of projectiles, etc., will be obtained on A.F. G 892, which will vouch the charges in the accounts of the command paymaster.

198. The amount to be paid will depend on the circumstances of each case, time and labour involved, etc., and will be decided by the O.C. at the camp or station, but in no case will it exceed the following amount for each projectile:—

Under 6-in., 5*s.*; 6-in. and higher nature, 10*s.*

199. The foregoing three paragraphs will not apply to Shoeburyness, where special arrangements are authorized.

200. All blind projectiles found on R.A., R.T.R. and R.A.C. ranges will be destroyed by the Gunnery Staff under orders of the commandant. The destruction, when necessary, of all other projectiles will be carried out under the supervision of an I.O.O. In every case the destruction will be carried out under the supervision of an officer.

201. In regard to the recovery of projectiles, etc., on sea ranges, fired over by the naval and military authorities in common, the following rules will be observed:—

(*a*) The Admiralty will receive all recovered projectiles and produce, plugs and gas-checks, and will pay all charges on account of salvage.

(*b*) All projectiles, etc., which can be identified as land service will afterwards be transferred to the War Office free of charge by the Admiralty.

(*c*) The transfer of recovered projectiles, etc., to the War Office will be made quarterly, and will be effected by writing them off charge as a free issue in the Naval ordnance store ledgers and bringing them on charge in the Army ordnance accounts.

E.—BLANK GUN AMMUNITION FOR REVIEWS, FIELD DAYS, SALUTES AND MANŒUVRES

202. Blank gun ammunition will be issued annually to commands, etc., as authorized in A.C.Is. for use by Horse, Field, Light and Medium Artillery, R.T.R. and R.A.C. at exercise, reviews, field days, command manœuvres and for salutes.

The allocation of the ammunition to units and for specific purposes will be made by the G.O.C.

203. Ammunition will not be expended as a charge against the training grant, nor, unless special instructions to that effect are received from the War Office, will expenditure of ammunition in excess of authorized allowances, to be met by a corresponding saving under the training grant, be incurred.

F.—Q.F. BLANK CARTRIDGES FOR Q.F. 18-PR., 13-PR., 6 AND 3-PR. GUNS, AND 4·5-IN. AND 3·7-IN. HOWITZERS

204. These cartridges will be made by units as required. Instructions for making up and breaking down should be obtained from the C.I.A., Woolwich, through the A.D.O.S.

205. The following tools are authorized for making blank cartridges :—

Designation.	Each 4-gun battery.			Six-gun battery Q.F. 13-pr.	Each Tank Battn. for Q.F. 3-pr. 2-cwt.
	4·5-in. how.	Q.F. 18-pr.	Q.F. 3·7-in. how.		
Section R2					
Tools, Cartridge, Q.F., Blank—					
Drifts, 4·5-in. how. ...	2	—	—	—	—
,, 3·7-in how. ...	—	—	2	—	—
,, 18-pr. powder cartridges ...	—	2	—	—	—
,, 13-pr. powder cartridges ...	—	—	—	3	—
,, 3-pr. 2-cwt. ...	—	—	—	—	3
Rings, inserting, cup—					
13-pr.	—	—	—	3	—
Rings, inserting, lid—					
4·5-in. how. ...	2	—	—	—	—
3·7-in. how. ...	—	—	2	—	—
Rods, 12·7-in. (*a*) ...	—	—	—	—	3
Screwdrivers, primer (*b*)	—	—	—	—	3

(*a*) For driving primer from case, 6 and 3-pr.
(*b*) For inserting and removing primer, 6 and 3-pr.

206. The cases, after firing, should be cleaned as directed in para. **193.**

207. After firing, care should be taken that the mouths of the cases are not damaged or distorted as this will cause difficulty in refilling. Any cases which will not gauge in a gun, or from which the primers cannot be extracted, or which will not take new primers, are to be considered to be unsuitable for refilling, and will then be treated as laid down in para. **210.** Cases which are suitable for refilling as blank will be retained for this purpose. Certain service cases which are only slightly split at the indents, will, on passing through the factory for repair, be sentenced for " blank," and will be so marked by stamping on the base.

These cases can be refilled for blank firing until the cracks extend to the mouth, or are so seriously developed as to interfere with the loading of the cartridge.

G.—CASES FOR BLANK, CLEANING OF

208. These should be cleaned after firing and wiped perfectly dry. They should not be greased unless they are returned to store.

209. If the cases are required for further firing after a few hours, washing in the interval may be dispensed with, but they are not to be left unwashed more than 24 hours.

210. They should be retained and refilled by the unit to which they are issued unless they require repair or are unserviceable, when they should be returned to store.

H.—AMMUNITION YEAR FOR BLANK GUN AMMUNITION

211. The ammunition year for the purpose of governing the issue and expenditure of blank ammunition will run from the 1st April to the 31st March.

I.—AMMUNITION AND EXPLOSIVES—CONDITIONS RELATING TO RETURN TO ORDNANCE DEPOTS, AND INSTRUCTIONS REGARDING CONVEYANCE

212. No ammunition or explosives of any kind will be forwarded to an ordnance depot until the consignor has ascertained from the consignee (on A.F. G 929) that he is ready to receive it.

In all cases the consignor will at the same time apply to the A.D.O.S. of the area for instructions as to the precautions to be taken for the protection, segregation by groups, etc., of the ammunition and explosives while in transit, and will ensure that the instructions received are carefully observed.

213. Ammunition and explosives packed in original unopened packages, and unboxed shell, provided that they are plugged, have suffered no damage and are fitted with grummets or slings, may be returned as soon as instructions for their return are received.

Ammunition and explosives, other than S.A.A. and those referred to above, will not be returned until they have been

inspected by an I.O.O., rendered safe and, where necessary, packed under his supervision. Application for the inspection of such ammunition and explosives will be made to the A.D.O.S. of the area. The vouchers on which the ammunition or explosives are returned will be enfaced to show that these instructions have been complied with.

214. Whenever ammunition is conveyed in military vehicles, the loading will (if possible) be performed by the troops, who will be held responsible for its correctness.

215. When explosives are issued from an ordnance depot and coverings are considered necessary, they will be supplied by the R.A.O.C. They will be returned to store immediately on completion of the service.

216. When ammunition is forwarded by railway or water carriage, and an escort does not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival and conduct it to its destination.

217. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party has matches or pipe-lighters in his possession.

J.—AMMUNITION AND EXPLOSIVES—INSTRUCTIONS REGARDING EXAMINATION AFTER CARRIAGE IN "A" VEHICLES

218. Gun or small arm ammunition, and signal or illuminating cartridges, which have been carried in "A" vehicles in shade temperatures of 90° F. and above will be subjected to a special examination by an I.O.O. before being returned to unit store. Should the ammunition be retained in the vehicles for an extended period, a special examination must be carried out at the end of each six months and finally before being returned to store. These examinations will be carried out at the request of units. Ammunition found serviceable at such special examinations will be given preference for re-issue to "A" vehicles and will be expended at the first opportunity.

K.—DISPOSAL OR MISSFIRED 1-INCH AIMING RIFLE AND GUN AMMUNITION

219. All missfired gun, howitzer, mortar and 1-in. aiming rifle cartridges, primers and tubes will, when practicable, be returned to the R.A.O.C. for disposal by an I.O.O. At practice, if it is not practicable to return the ammunition to

the R.A.O.C., it will be destroyed by the gunnery staff or a master gunner under the supervision of an officer after full particulars of the cartridge have been noted.

B.L. cartridges which have been loaded in a gun or howitzer and subsequently unloaded, for any reason other than a missfire, and which cannot be fired the same day or night during the practice in progress, will be set aside and returned to the R.A.O.C. as early as possible for special examination.

In no circumstances will a B.L. cartridge with a damp igniter be loaded in a gun or howitzer. All such cartridges will be returned to the R.A.O.C. for disposal

L.—CARE AND PRESERVATION OF AMMUNITION IN EQUIPMENTS OF MOBILE UNITS

NOTE.—*See also* Magazine Regulations, Part II.

220. The following points will receive careful attention :—

(1) Q.F. Ammunition.

(*a*) Rounds must at all times be handled with care and particularly in withdrawing them from boxes and vehicles, in order to avoid damage to the cartridge cases and fuzes or fuze covers if fitted.

(*b*) Cartridges will on no account be carried by means of the clip tapes.

(*c*) Cartridges withdrawn from boxes or vehicles must not be stood on their ends, but may be laid on their sides not more than two tiers high.

(*d*) If a fuze is found to be loose, the shell, or the cartridge in the case of fixed ammunition, will be returned to R.A.O.C. charge.

(*e*) In cases where the fuze cover of a time or time and percussion fuze has become detached from a fuzed round, the shell, or the cartridge in the case of fixed ammunition, will be returned, intact, to R.A.O.C. charge, unless an opportunity occurs for expending it at practice. Rounds so expended will be specially noted in practice reports.

(*f*) If the fuze cover is found to be damaged, or if it has become detached in the case of a fuzed H.E. round in A.A. equipments, the round will be returned to R.A.O.C. charge.

(*g*) When necessary, the shell will be wiped over with boiled linseed oil on a cloth or rag, care being taken to avoid the fuze. For H.E. shell, boiled oil, *lead free*, will be obtained from the R.A.O.C. for this purpose.

(*h*) If cartridge cases show any signs of verdigris or corrosion on the exterior surface, the part affected will be cleaned with a rag, moistened with turpentine, and, after drying with a clean rag, very slightly smeared with mineral jelly. The mineral jelly must be kept off the caps of the primers.

(*i*) Primers, if found to be unscrewed, will be tightened by means of the key provided in the equipments.

(*j*) All travelled ammunition must be inspected by battery officers once a month.

(2) M.L. 3-in. Mortar Ammunition.

(*a*) Care must be taken to avoid damage to the vanes of the tail of the bomb.

(*b*) In wet weather the cup and waterproof cover will not be withdrawn from the tail vanes until the last possible moment before loading. In preparing bottom charge, secondaries will be removed to the front without fully exposing the tail vanes.

(*c*) The fuze cap will only be removed immediately before loading.

(*d*) If a fuze is found to be loose, the complete bomb, with cartridges, will be returned to R.A.O.C. charge.

M. BATCHING OF AMMUNITION

221. Q.F. fixed ammunition, of all natures except A.A., is normally issued in batches of 2,000 rounds containing one propellant lot only.

A.A. and M.L. 3-in. mortar ammunition is normally issued in batches of 2,000 rounds, containing one fuze lot only.

In every case the other components of a batch will be, as far as possible, of one lot only. Batches will be distinguished by a letter, according to the type of ammunition, followed by a serial number.

A batch (except A.A. and M.L. 3-in. mortar ammunition) containing fuzes of more than one lot is divided into sub-batches, indicated by a letter after the serial number. A.A. and M.L. 3-in. mortar ammunition will, if necessary, be sub-batched by propellant lots (primary cartridge propellant lots in the case of the M.L. 3-in. mortar).

Batches and sub-batches will be stacked separately.

When it is necessary to repack batched ammunition which has been unpacked for any purpose, only ammunition of the same batch or sub-batch may be packed in any box. The stencilling on the cartridge cases or bombs will facilitate this. If the ammunition is repacked in boxes other than those from which it was removed, the batch or sub-batch numbers on such boxes must be amended to agree with the contents.

CHAPTER 6.—MOBILIZATION EQUIPMENT

222. Mobilization equipments will be stored in accordance with the latest print of the appropriate war equipment table as notified in A.C.Is. (*see* para. **29**).

Amendments to war equipment tables in possession of units will only be made on receipt of printed serial amendments published by the War Office and notified in A.C.Is.

223. Lists showing how war equipment is to be distributed within the unit on mobilization will be prepared for all units other than those which are normally stationary.

Where units exist in peace, the lists will be prepared by the respective C.Os.

The C.Os. of horse, field and light brigades, R.A., and of other units existing in peace which form additional batteries, after mobilization, will also arrange for lists to be prepared for the additional units they are to form.

For other units which do not exist in peace, *e.g.* field ambulances and for headquarters of cavalry and infantry divisions and brigades, the lists will be prepared by the A.D.O.S. of the area in which units mobilize.

224. When mobilization equipment is in regimental charge, the C.O. will be responsible to the G.O.C. that it is correct in every respect and fit for service; that the instructions given in these regulations as to custody and arrangement of mobilization stores are carried out with regard to it; and that, subject to the exceptions referred to in paras. **226–230,** and E.R. Part 2, Section 1, no portion of it is taken into use without special War Office authority obtained through the G.O.C.

Typical diagrams showing how mobilization vehicles (H.T.) should be stored are given in **Appx. 31.**

225. A permanent record, showing the dates and other necessary particulars, of all inspections of mobilization equipment will be kept on A.F. G 1090, which should be affixed to an inventory board to be hung up in each storehouse.

226. (*a*) The G.O.C.-in-C. may sanction the temporary use by units of cookers, portable, and containers, portable, 1-gal. belonging to their mobilization equipments as necessary for brigade and divisional training and manœuvres.

(*b*) A divisional commander may authorize the temporary use of cookers, portable, and containers, portable, 1-gal., held by units in their mobilization equipment when required to

supplement similar equipment held on peace charge, for such battalion, company or musketry training as necessarily entails the cooking of a hot meal away from barracks. These cookers will not be used in standing camps or when other means of cooking can be utilized.

(*c*) Care will be taken that any items issued under this paragraph are returned to store in a thoroughly serviceable condition when no longer required. (*See* para. **3.**)

227. Special articles of the technical equipment of R.E. and R. Signals units, the fitness of which for service can only be verified and maintained by occasional use, may be used at the discretion of the O.C. the unit, or, where the unit is not raised in peace, the C.R.E. or C.S.O. to ensure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements and they are to be kept quite separate from the peace equipment; a book is to be kept by the O.C. the unit or the C.R.E. or C.S.O. in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used and the condition after testing or use.

228. Bridging equipment, electric lighting sets, and other technical equipment, with their vehicles, held as mobilization equipment for field park companies, R.E., and pontoon bridge parks, may be issued for training to all R.E., units and divisional headquarters, respectively, of the divisions concerned at the discretion of the G.O.C.-in-C.

Assault boats and reconnaissance boats held as mobilization equipment for field park companies, R.E., and pontoon bridge parks may be issued for training to R.E. or infantry units at the discretion of the G.O.C.-in-C.

Boats so issued will be maintained in a serviceable condition at all times.

229. Machinery and breakdown vehicles held as mobilization equipment for R.A.O.C. mobile workshops may be used in peace for normal repair and recovery work and for training as required, provided that they are kept complete and fit for service at all times.

230. Once in each year the mobilization equipment in charge of units (except Q.F. ammunition, respirator equipment, harness, saddlery and packsaddlery), and where circumstances admit of it, the mobilization equipment held for units by the R.A.O.C. (with similar exceptions), will be drawn by them and be retained for a period not exceeding 14 days. During this period each unit will be practised in packing its vehicles, the

whole war outfit being completed as far as practicable. Empty cases or dummies will be used on these occasions to represent any articles which are not available in the district, and old blankets in rolls of 20 as well as old camp kettles will be issued if possible in lieu of the new articles.

At the end of the course the unit will perform a route march with its transport packed as for service if arrangements can be made for horsing the vehicles, the horses and harness of other units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace, but the sets may be assembled in the storehouses to test the fitting of the various parts or for instructional purposes. They are not, however, to be stored assembled. At the conclusion of the period named, all the vehicles will be examined carefully before being returned to mobilization store, and any defects noted will be reported to the A.D.O.S. of the area.

231. Equipment stored in accordance with war equipment tables will be kept entirely separate from the peace equipment; on a unit quitting the station, such equipment will, in the absence of an order to the contrary, be handed over to the relieving unit.

232. War equipment tables of the latest editions will be kept with the equipment of units, and Os.C. units whose mobilization equipment is in charge of the R.A.O.C. will always have copies of these tables in their possession.

233. When mobilization equipment is in charge of the R.A.O.C. at or near the station of the unit, the C.O. will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the G.O.C.

C.Os. will arrange the date for these inspections with the C.O.O. of the ordnance depot.

234. C.Os. having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in R.A.O.C. charge (*see* para. **233**), will attach a certificate to A.F. B 89 or B 90, which is rendered half-yearly, stating the date on which they last inspected the equipment.

235. On mobilization being ordered, the war equipment table will be the guide as regards the articles of equipment which a unit takes with it into the field. It is therefore of great importance that not only the equipment stored for issue on mobilization, but also such of the peace equipment as is,

according to the war equipment table, required for war, should be at all times complete and serviceable.

Only " dulled " pattern bayonets will be taken on active service.

236. The consumable stores allowed for war (excepting illuminants, for which *see* **Appx. 47**), are regarded as being sufficient for a fortnight's use, and these quantities will normally be maintained by units in the field.

237. On 1st April and 1st October in each year, Os.C. units holding mobilization equipment will render a return in triplicate to the A.D.O.S. of the area showing all deficiencies that exist in their equipments and the action taken to complete the equipment.

Similar returns will be rendered regarding outfits held for army reservists.

The form shown in **Appx. 5** will be used for this return.

Nil returns will be rendered.

238. A report, on A.F. G 919, of the action taken to carry out alterations to patterns of war equipment, whether in mobilization or peace charge, ordered by List of Changes, Army Orders or other War Office authority, will be rendered monthly by Os.C. units holding such equipment to the A.D.O.S. of the area.

Separate sheets of A.F. G 919 will be used for articles in mobilization store charge and for war equipment in use during peace.

This return is not to be rendered in war time.

239. When a List of Changes affecting the equipment of a unit is published, the C.O. will, if in doubt, ascertain from A.D.O.S. as to whether the alteration is to be carried out by the unit or by the R.A.O.C.

In the former case A.F. G 997 will be submitted for the necessary stores, and these will be accounted for in the same manner as materials for repair (*see* para. **434**).

In the latter case A.F. G 1045 will be submitted, and the ordnance depot concerned will be responsible for providing the necessary stores.

240. When stores received from the R.A.O.C. in replacement of unserviceable peace equipment are in better condition or of later manufacture than those held on mobilization charge, the former will be placed in mobilization store and the latter taken into use as peace equipment.

When turnover cannot be effected by this method, the C.O. will bring to the notice of the A.D.O.S. of the area any articles which are considered unfit for prolonged mobilization

storage. If, after investigation, the A.D.O.S. is satisfied that turnover is essential, he will authorize the C.O. to submit a special indent for the stores required.

No articles will be withdrawn from mobilization storage until corresponding articles are available in replacement.

241. With a view to facilitating turnover and as a record of articles stored in mobilization equipments or reservists outfits which are part worn or have been superseded by later pattern, or for other reasons it is desirable to exchange, officers holding these equipments will keep A.B. 333 completed to date. This book will be examined quarterly by A.Ds.O.S. and will be produced at all inspections of mobilization equipments.

242. Gun ammunition for horse, field, light, medium and heavy artillery batteries, and for R.A.C. battalions *at home*, will be stored in R.A.O.C. charge unless instructions to the contrary are given by the War Office.

243. When sanction is given by the War Office for the transfer of mobilization stores from R.A.O.C. charge to the custody of a unit, the O.C. the unit will be responsible that the stores are arranged in accordance with the regulations (*see* para. **224**), and will, if necessary, apply to the A.D.O.S. for skilled labour for carrying out the service in the first instance.

244. When mobilization equipment is handed over to a relieving unit, the appropriate war equipment table (A.F. G 1098) will be used as a voucher, two copies being prepared. The totals in the war equipment table will be amended to agree with the quantities of each item handed over, alterations being initialled by both accountants concerned.

Packages held with the equipment will be entered at the end of the A.F. G 1098.

In cases where separate ledgers are held for mobilization equipment no vouchers will, however, be prepared on handing over the stores to the relieving unit. Instead, the ledger will be balanced and handed over. A certificate to the effect that the stores shown as remaining on ledger charge on the date of transfer have actually been handed over will be signed by the O.C. of each unit.

If any discrepancies exist full explanations of each will be afforded by the O.C. outgoing unit.

245. All vehicles and spare wheels stored by units as mobilization equipment will be inspected once every three years by R.A.O.C. artificers under the immediate supervision of an O.M.E. (*See* **Appx. 54.**)

All harness, saddlery and packsaddlery stored by units as mobilization equipment will be inspected at similar intervals by an inspector or artificer of the inspection branch. (*See* **Appx. 54.**)

Application for examination at any other time will be made to the A.D.O.S.

246. The instructions for the preservation of harness, saddlery and packsaddlery given in **Appx. 25,** and on A.F. G 916, will be followed for the harness, saddlery and packsaddlery stored as mobilization equipment. Special attention should be paid to seeing that the harness, saddlery and packsaddlery are kept properly dubbed and in good condition.

A copy of A.F. G 916, pasted on a board, will be kept in each mobilization storehouse in which harness, saddlery and packsaddlery are stored.

Covers for packsaddlery will be kept in store rolled. They should be unrolled and cleaned at least once in 3 months.

Cleaning materials according to the following scale will be allowed :—

Designation.	Annual proportion for each.		
	13 sets of harness (double).	13 sets of saddlery.	13 sets of packsaddlery.
Section H1			
Dubbin ... ... lb.	2	1	1
Naphthalene (*a*) ... ... oz.	5	2½	4
Tallow ... ... lb.	½	¼	—
Varnish for bright work ... pints.	1/16	1/16	1/16
Section H1 (N.I.V.)			
Linen or cotton, old ... lb.	1	½	½

(*a*) These quantities are only inserted as a guide in preparing indents; supply may be made as local circumstances require under the authority of the G.O.C.

247. The proportion of sizes, etc., of various articles of harness and saddlery to be stored in mobilization equipments—with instructions relating thereto—are detailed in **Appx. 24.**

248. Spare articles on peace charge, if liable to be expended during peace, are not to be regarded as being available on mobilization.

249. Inventory forms (A.F. G 1096 series containing printed lists of components, accessories, etc., corrected to date) will, during peace, be pasted on inventory boards issued with

vehicles allotted to units as war equipment and given a coat of varnish to protect them from damp.

250. Spare axletrees, shafts, wheels, timber and iron, which cannot be conveniently stored in the separate compartments, will be kept in the wagon sheds. Small stores forming part of the accessories, spare parts and cart and wagon equipment of mobilization vehicles and accounted for separately will, for the sake of cleanliness and convenience in stocktaking, be kept in the mobilization store and not on the vehicles, but with these exceptions components, accessories, spare parts and cart and wagon equipment of vehicles stored on their wheels will be kept on vehicles. When vehicles are dismantled and stacked, the components, etc., will be stored as near to the stacks as possible.

Straps for vehicles will be tied in sets, each set being labelled with the description of vehicle to which it belongs and kept in the mobilization store.

All leather work of vehicles, including straps, will, where necessary, be treated as laid down in **Appx. 25.**

251. The war allowances of consumable stores will be found, as far as possible, from peace stocks. Any stores not available from this source will be demanded from R.A.O.C. on mobilization being ordered.

These stores will not be drawn upon before embarkation. Any required for use during the mobilization period will be drawn from R.A.O.C.

Consumable stores in possession of units in excess of war requirements will be returned to R.A.O.C. before embarkation.

252. Horseshoe nails will be stored in the horseshoe boxes with shoes held with mobilization equipments in the proportions laid down in para. **317.** The war scale of frost cogs will be one set for each animal. Scales of taps and wrenches will be as laid down in para. **318.**

253. Os.C. depots will be held responsible for the care and safe custody of such small arms and accoutrements as may be kept in store at the depots for issue to the army reserve. These stores will not in any circumstances be taken into use without previous authority from the War Office.

254. (1) Accoutrements, including those held for reservists, will be stored as follows :—

(*a*) Web equipment. Each set will be stored with all its components placed inside the pack. The rifle sling and tins, mess, rectangular, pattern 1937 (where allowed) will also be stored in the pack.

(*b*) Water-bottles and bandoliers will be stored in bulk in suitable packing-cases.

(*c*) In the case of units not supplied with web equipment, all items other than those referred to in sub-para. (*b*) will be stored in the haversack.

(2) Tins, mess, D.S. and M.S., will be stored in bulk in suitable packing cases and will be examined annually for signs of rust. Rusty tins will be returned to the R.A.O.C. for re-tinning. Where the preservative on any tins has deteriorated such tins will be cleaned and re-treated, under unit arrangements, either with mineral jelly or, where a unit has facilities for dipping, with boiled lead-free linseed oil.

255. Small arms, including those held for reservists, will be stored as follows :—

Rifles will be stored in racks. If racking is not available they will be stored in arm chests.

Rifles fitted with telescopic sights will be kept in their chests.

Oil bottles will be stored empty in bulk.

Pullthroughs and their gauzes will be tied separately in bundles and so stored.

Bayonets without scabbards and scabbards without bayonets will each be stored separately in chests, cases or other suitable packages.

Swords will be packed in chests, cases or other suitable packages.

Pistols will normally be stored under the conditions of para. **14,** but, when the numbers are large, special arrangements will be made for their safe custody under command instructions.

256. Arrangements will be made for the examination of all small arms stored, including those held for reservists, to ensure that each individual one is re-greased, both internally and externally, once every 12 months in the manner indicated in para. **445.** If any appearance of rust be observed in the muzzles, such barrels will be wiped out immediately and well re-greased, steps being taken to have them examined by an armourer at once.

Ten per cent. of all arms (except bayonets, *see* para. **257**) will be examined annually by an armourer, the rifles being re-greased between fore-end and barrel (*see* para. **446**). In the event of the examination disclosing an insufficiency of the

preservative, arrangements will be made to re-grease the remainder of the arms.

257. Bayonets, swords, and steel sword scabbards will be greased with red mineral jelly (for method of applying the grease, *see* **Appx. 55**).

Ten per cent.* of the bayonets will be examined annually by an armourer and re-greased with red mineral jelly. Care will be taken to ensure that the stock is examined and re-greased in rotation.

258. For materials which must not be used as a direct wrapping, etc., for steel parts of small arms, machine guns and mountings, *see* para. **446.**

The annual allowance for materials for the care and preservation of small arms stored for army reservists is shown in **Appx. 12.**

The allowance of materials for care and preservation of rifles, A/T, (Boys), is shown in **Appx. 12, Table 4.**

Red mineral jelly should be mixed with oil, M. 80, in equal parts, by weight, and applied as directed in para. **445.**

Where rifles are stored in racks having plugs, or holders, or where the plugs or holders fail to protect the barrels from the air, the bores of the rifles will be protected as directed in para. **464.** At stations abroad the clot will be composed of equal parts of red mineral jelly and beeswax.

Oil, M. 80, only will be used for the working parts of the action.

259. Machine guns and their spare parts and mountings on charge of units in unit mobilization store will be examined periodically as detailed in **Appx. 15** and, if necessary, re-greased.

The machine guns will be stored in their chests.

260. If the mobilization barrels of machine guns are issued from store for peace purposes, the white band will be removed locally before issue.

261. Pedal bicycles held with mobilization equipment will be stored without tyres.

Bearings will be kept well packed with a mixture consisting of equal parts, by weight, of mineral jelly, red, and oil, M.80.

Covers and tubes will be stored as follows :—

(*a*) Covers will be loosely tied in bundles of 10 or less and kept in a cool and darkened store, according to their respective dates of manufacture.

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* 2 per cent. in the case of Weedon.

(*b*) Tubes will be stored in order of date of manufacture. They will be deflated and placed loosely in a case; the case will be lined with brown paper, the tubes liberally covered with french chalk and the lid of the case secured. The case will be periodically reversed (bottom upwards) to ensure that the bottom layers do not continuously bear the weight of the others.

A complete turnover and examination of covers and tubes will take place annually.

262. Steel helmets held for reservists will be painted. The method of painting and the scale of materials and brushes, are laid down in para. **509,** but these materials, etc., will be drawn only as and when actually necessary.

263. Steel helmets to complete to full War Establishment will be stored in bulk for officers of the R.A.R.O. and Supplementary Reserve (not in units), those members of the Officers Emergency Reserve who have mobilization appointments; members of Q.A.I.M.N.S. Reserve and Civil Hospital Reserve; and reservists at their place of joining; those for the reservists being stored with their kits.

In addition five per cent. additional will be held at the "place of joining" for fitting purposes. (*See also* para. **133.**)

Mark I steel helmets held with mobilization equipments will be packed in sacks or cases, wood, packing. The helmets will be completely enclosed in brown paper which must be free from holes or tears, and folded over where the ends join so that moth will not be able to get in. A sprinkling of naphthalene will be placed in each package. When sacks are used for packing purposes, 3-in. by 1-in. strips of wood quartering will be placed between the sacks when stacked.

Mark I* and Mark II helmets are issued packed in cartons which will be stored in a cool dry place in such a manner as to obviate any damage to the cartons or their contents.

If at any time it is found necessary to examine contents of the cartons, care will be taken to ensure that the brown paper wrapping is replaced between each helmet as a protection against damage to the paint.

264. An allowance of composition, brown, at the rate of:—

½ lb. every 100 sets per annum for Royal horse, field, light, medium and heavy artillery;

3 lb. every 100 sets per annum for other units;

will be made for the preservation of brown leather accoutrements stored for reservists. An application of the composition once a year will, in ordinary circumstances, be found sufficient. The composition should be applied as directed in para. **502.** Soap must not be used for this purpose.

265. Units existing in peace may make their own arrangements for the supply of private cooking apparatus for officers, in which case the number of camp kettles to be taken in the field will be reduced as detailed in the war equipment tables.

The weight of such apparatus must not exceed 6 lb. each officer. It must be provided during peace and maintained in a serviceable condition.

266. Boxes, dubbin, will be stored empty. Dubbin will be kept in bulk in order to facilitate turnover. The boxes will be filled immediately on mobilization being ordered.

267. The edges of all cutting tools will be kept in good condition for use.

268. Ground sheets held as mobilization equipment will invariably be packed in suitable packing-cases.

269. Small quantities of oil and grease may remain with the general equipment of the unit, but large quantities will be stored in a separate oil store or in a corner of the mobilization vehicle shed. The floors will be kept scrupulously clean and are on no account to be strewn with sawdust or sand. A few buckets (fitted with lids which will be manufactured locally) filled with sand instead of water will be kept ready for use.

270. Covers for carts and wagons will be neatly rolled and stowed on the raves of the vehicles to which they belong or in any other convenient way. They will be unrolled and cleaned at least once in three months. Those painted must not be rolled until they have been exposed to the air and are thoroughly dry. In no circumstances will covers for carts and wagons be stored folded.

271. All panniers will have their description painted on them.

Stationery boxes will be marked, in order to identify them, with the branch or arm of the service to which they belong, *e.g.* infantry battalion, R.H.A. battery, medium battery, etc. These marks will be obliterated and replaced by divisional, etc., signs under regimental arrangements as soon as mobilization has been reported to be complete.

With these exceptions, mobilization equipments held in unit charge will not be marked in any way until taken into use on mobilization.

272. Articles made from the hair of animals, *i.e.* woollen or felt goods, bristle brushes, fur, horsehair, etc., will be

covered with ordinary brown paper, but it must be devoid of holes and tears, and folded over where the ends join ; moths are quite unable to penetrate such paper, but if there is any opening, however small, they will probably discover it and deposit their eggs on the materials underneath. For this reason, packing needles must not be allowed to penetrate the paper when canvas wrappers are being stitched.

A sprinkling of naphthalene is also useful, as moths dislike the odour, and it helps to keep them away from the neighbourhood. It is unnecessary, however, to smother articles in naphthalene.

The necessary supplies of naphthalene may be obtained on indent from the R.A.O.C.

CHAPTER 7.—CAMP EQUIPMENT

273. The proportions of camp equipment for camp reception stations, manœuvres and in standing camps are contained in **Appx. 26.** The scale for standing camps will guide issues to troops placed under canvas for any purpose other than manœuvres. At stations abroad C.D. (in lieu of C.S.) tents may be issued for the use of European troops, provided :—

(*a*) The period of encampment is not to be of very short duration.

(*b*) The climatic conditions likely to be encountered during the period of encampment are, in the opinion of the D.D.M.S., such as to warrant the issue of C.D. tents.

274. Indents for camp equipment will be prepared by units or individuals to whom issues are authorized by regulations, and transmitted to the A.D.O.S. of the area in which the encampment is to take place.

Officers authorized to indent for camp equipment will ensure that the whole of the information required by the forms is fully detailed upon them, that the quantities of equipment included are in accord with the authorized scales for the number of officers and men to be encamped, and that the indents are transmitted in ample time to allow O.Os. to arrange for delivery of the equipment by the date desired.

275. Cooking utensils, including ovens and stoves, are frequently issued by the R.A.O.C. with a coating of spirit lacquering, varnish or mineral jelly to preserve the ironwork, and care must be taken to ensure that this preservative is burnt or wiped off before the articles are taken into use.

276. Camp equipment issued to units as permanent equipment for instructional purposes will be brought on charge in equipment ledgers.

Tents and other stores for sports and entertainments may be issued on temporary loan under the conditions set forth below, and will not be brought on charge in equipment ledgers.

To whom issuable.	Authority under which issue may be made.	Conditions of issue and charges to be recovered.
Regulars.	The G.O.C. may give written approval for issue, provided the stores are available locally and can be spared, that they are required for strictly garrison or regimental sports or entertainments, and that they are to be retained normally only for the actual day or days of the sports or entertainments. The G.O.C. may, however, authorize the retention of stores for a longer period when considered desirable in order to save cost of carriage to and from an ordnance depot, *e.g.* when it is known that the stores will be again required for similar purposes after a brief interval.	The cost of deficiencies and of damage not the result of fair wear and tear will be charged for as laid down in para. **115**. Expenditure on transport will also be charged for, including the cost of conveyance by army motor lorries where a charge falls to be made in accordance with Rules for the Control and Use of War Department Road Transport. If a charge is made for admission to, or money is taken in any other manner at, the sports or entertainment, hire, to cover the use of the stores, will be charged as follows : half per cent. of the vocabulary rate for each period of six days or less. If no money, as above, is to be taken, the O.C., or an officer on his behalf, will certify the indent to this effect. The hire charge may at the discretion of the G.O.C. be waived if the profits are for the benefit of a naval, military or air force charity. Stores are not to be issued under this para. for the permanent equipment of the sports grounds or pavilions, etc., provided under Regulations for Engineer Services, Part I, 1940, para. 72.

All other issues of camp equipment for authorized manœuvres or encampments, or to supplement barrack accommodation, will be accounted for on A.F. G 973 by the C.O. of the unit, or the individual officer to whom the issue is made.

At the termination of the encampment the accounts, with the whole of their supporting vouchers, will be transmitted to the A.D.O.S. of the area in which the issues were made, irrespective of the locality of the ordnance depot to which the stores may have been returned.

Ammunition received or expended during periods of encampment will not be entered in camp equipment accounts.

277. Charges for deficient camp equipment will be made in accordance with the instructions contained in para. **115.**

278. When the issue of tentage to supplement barrack accommodation is authorized, tents, and, if necessary, tent bottoms, bedboards and trestles, will be obtained from the R.A.O.C. All barrack stores will be obtained from the officer in charge of barracks.

279. The regulated proportions of stores for camps should be sufficient to meet all requirements and no additional issues should be necessary, save in very exceptional circumstances. When the G.O.C. is satisfied that exceptional circumstances justify an issue of stores for camps in excess of the authorized scale, he will proceed as directed in para. **5** and in the case of an increased issue of tents, stoves, Soyers, or covers, waterproof, he will render to the War Office a report of the circumstances necessitating the issue. It must be clearly understood that the scales authorized in these regulations must be reverted to immediately the special circumstances cease to exist.

280. In all issues for camps of manœuvre or flying columns at home, the G.O.C. may reduce the proportions in view of the requirements of the particular service and the strength of the troops and companies, and so diminish the weights to be transported.

281. Before leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on A.F. G 973, as either returned into store or deficient, except in the case of wooden tent pins, of which 5 per cent. may be written off charge, as expended by fair wear, any deficiencies will be charged against the unit or individual officer to whom the equipment was issued, unless authority has been obtained for writing them off as a charge against the public. In the event of lost stores being subsequently found, the procedure laid down, in para. **110** will be followed.

282. Commanding officers will arrange for all questions of losses, damages, etc., which it is necessary to submit to higher authority for decision, to be reported as soon as they occur to the A.D.O.S. of the area in which the camp is situated.

A.D.O.S. of the area in which the camp is situated will, after any local investigation he may consider necessary, transmit the report, together with his remarks, to A.D.O.S. of the area in which the unit's permanent station is situated. The latter will be responsible for referring the matter to

higher authority if the case is not within the financial powers delegated to him under King's Regulations, 1940, **Appx. IV.**

283. Wood bottoms for circular tents for accommodation purposes, or for marquees used for hospital purposes, will be issued when, owing to the dampness of the ground or other causes, their use is certified by the D.D.M.S. to be necessary. They will not be supplied for tents used for other purposes.

When issue of wood bottoms for circular tents is authorized, cases, bolster, tent, and cases, paillasse, tent, may also be issued in camps of over three weeks' duration, provided that these articles are available locally.

284. The G.O.C. in authorizing the supply of wood bottoms will proceed as directed in paras. **5** and **7.**

285. At encampments where local conditions or circumstances render it impossible, or, in the opinion of the G.O.C., undesirable to dig trenches for latrine purposes, and the pail latrine system has specially to be resorted to, latrine buckets may be issued in the following proportions to the contractor engaged to remove the soil :—

For officers	...	20 per cent. of number of officers encamped.
For other ranks	...	10 per cent. of number of other ranks encamped.

These numbers are regarded as sufficient to meet requirements for both pail latrines and urinals.

The conditions to be fulfilled by the contractors with regard to collection, disinfection, cleaning, repairing and re-delivering these buckets will be found detailed in the " special conditions of contract " embodied in a tender form approved by the Army Council and issued to G.Os.C., to govern local contracts in connection with the pail latrine system in encampments.

286. Nosebags, picketing gear, and waterproof covers for saddlery, will be supplied in camp free of charge for the regulated number of officers' horses, and for such hired horses as may be employed on the public service. Rugs, horse, will also be supplied for hired horses when required.

287. Mounted units proceeding by route march in Great Britain and Northern Ireland do not require camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, Os.C. units will indent, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for " manœuvres," but demanding only such articles as are absolutely necessary.

288. To prevent the injury caused by damp and mildew, all tents, blankets, horse rugs, nosebags, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

289. When it is arranged for a unit in camp to hand over blankets, horse rugs, etc., direct to the washing contractor for washing and subsequent return to an ordnance depot, a detail of such items will be prepared, in triplicate, on check lists (or A.F. G 1033 if A.B. 200 or 200A is not available). The contractor's representative will sign all copies which will be disposed of as follows :—

Original to C.O.O. of the ordnance depot for recording in the washing book.
Duplicate to washing contractor.
Triplicate retained by unit to support the camp equipment account.

290. Camp kettles and other articles liable to injury from rust will also be dried and cleaned by the troops before return to store.

291. When troops under canvas have to march on immediate orders, the A.D.O.S. will confer with the O.C. troops as to the steps which should be taken for the drying and cleaning of the camp equipment prior to its being returned into store on the breaking up of the camp. If it is impossible to avoid striking tents when they are damp, the consignee must be advised by telegram.

292. The C.O.O. will bring to the notice of the O.C. troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

293. The following articles may be issued to units for instructional purposes. They will be held on equipment ledger charge, and on change of station will be transferred to the incoming unit :—

Cavalry regiments	...	4 circular single tents, 10 camp kettles, 6 pickaxes, 6 shovels, 13 heel peg mallets, 256 picketing pegs, 136 head ropes, 120 heel ropes, 136 4-ft. 9-in. picketing ropes, 120 buckets, water, canvas.
Artillery brigades	...	12 camp kettles, 8 pickaxes, 8 shovels.
Artillery batteries and R.E. units	...	2 circular single tents.
Tank battalions	...	4 circular single tents, 10 camp kettles.

Armoured car companies	2 circular single tents, 5 camp kettles.
R. Signals units ...	2 circular single tents, 5 camp kettles.
Coast Defence units and R.A.S.C. companies and R.A.O.C. sections and companies ...	1 circular single tent.
R.A.S.C. Training Centre, Aldershot	1 marquee, G.S., single.
Infantry battalions	4 circular single tents, 10 camp kettles, 4 canvas water buckets.
R.A.M.C. companies	1 circular single tent, 1 operating tent, 1 marquee, G.S., single, 3 camp kettles, 3 pickaxes, 4 shovels, 1 billhook, stretchers, ambulance, Mk. II :—bars, suspension, 4, sheets, ground, 8, 1 packsaddle, 1 pair cacolets, 10 small signal flags with poles, 8 ambulance stretchers, 48 knee-caps, 1 bundle brushwood pickets.

Unserviceable tents (as to canvas) will be issued, but poles, pins, and mallets will be serviceable.

Pads, surcingle, will be issued to units as follows : 120 for each horse cavalry regiment, 12 for each other mounted unit or artillery brigade and 4 for each infantry battalion.

When batteries of artillery are stationed singly, a proportionate quantity of the brigade allowance will be issued.

294. The following articles will be issued, if required, to the units mentioned in the preceding paragraph and under the same conditions :—

Cordage—		
Tarred, 1½-in., 20 ft. long	pieces	20
White, ¾-in., 4 ft. long	,,	20
Spars, wood, 12 ft.		6

295. Camp Kit—A free initial issue of a camp kit as detailed in **Appx. 72** will be made to officers on appointment to permanent commissions in the Regular Army or, if they are on probation, when they are placed under orders to embark overseas before confirmation of their appointment can be promulgated. It will also be issued, on appointment, to clergymen holding temporary commissions as chaplains in the Regular Army, and to officers serving in the R.A.M.C. and A.D.C. on short service commissions, and to members of

Q.A.I.M.N.S. on the first occasion on which the member is ordered on active service.

Before issue is made, the issuing officer will obtain a certificate from the officer, chaplain or nurse concerned, to the effect that a camp kit in kind, or a money allowance in lieu, has not at any time been received. In the event of the complete camp kit not being available, such articles as are available will be issued and a money allowance in lieu of the non-available articles will be made at vocabulary rates by the command paymaster of the command in which the applicant is serving, on receipt of a certificate from the C.O.O. to the effect that the articles in question are not available.

In addition to the above kit a free issue of three new blankets, brown, single, will be made under regimental arrangements from barrack expense stores. A certificate on the lines of that required in the case of the camp kit will be obtained by the issuing officer before issue is made.

The camp kit and blankets will be maintained at the expense of the owners.

296. Officers of the Supplementary List of the R.A.R.O. serving with the Household Cavalry and Foot Guards with a view to obtaining permanent commissions therein, and O.M.Es. on probation for the R.A.O.C., will obtain, on repayment, from the R.A.O.C., the articles of camp kit mentioned in para. **295**, and on obtaining permanent commissions such officers will be entitled to a refund of the cost of the kit. No allowance will be made to officers who purchase camp kit from any source other than that prescribed.

University candidates who are attached to a Regular Army unit in camp may purchase from the R.A.O.C. articles of camp kit mentioned in para. **295,** and on obtaining permanent commissions such officers will be entitled to a refund of the cost of the kit.

Applications for the refund of the cost of the camp kit should be made in the following form :—

> I hereby declare that I have not at any time received a camp kit (including three blankets) or a money allowance in lieu, and I now claim a refund of the sum of
>
> £
>
> The command paymaster's receipt *.
>
> certificate of payment for this amount is attached hereto.

* In the event of the command paymaster's original receipt not being available, a certificate of payment should be obtained from that officer, who, when this is applied for, should be informed of the approximate date on which payment was made.

CHAPTER 8.—VEHICLES, H.T.

General.

297.* H.T. vehicles, harness, saddlery and packsaddlery will be kept in repair by the military tradesmen of the troops at the station, as the G.O.C. may direct, under paras. **425** and **428.** Materials for repair of harness and saddlery in use with regimental transport will be supplied up to the proportions detailed in **Appx. 22.** When private tradesmen are employed a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office. (*See* para. **432.**)

298. H.T. vehicles in possession of units or held by R.A.O.C. as mobilization equipment, will always be complete with the authorized proportion of components, accessories, spare parts, and vehicle equipment.

Appx. 27 contains a complete list of the components, accessories, spare parts and cart and wagon equipment of general service vehicles; for details of R.A., R.E., and R. Signals technical vehicles, *see* E.R., Part 2, Sections XA, XI, XII and XIII.

* Suspended except for Household Cavalry.

CHAPTER 9.—HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES

299. The details of sets of harness, saddlery and packsaddlery are shown in **Appx. 23.**

One set of saddlery will be supplied for the use of each officer entitled to the free issue of one or more public horses under Allowance Regulations and the following additional articles will be issued to each officer entitled to a free issue of two or more public horses under Allowance Regulations :—

Designation.	No.	Remarks.
Section D1		
Bits, portmouth, reversible	1	
Collars, head, S.U.	1	
Heads, bridle, S.U.	1	
Reins, bit, S.U.	1	
Section J1		
Ropes, head, hemp, Mk. IV	1	

The saddlery, etc., will be held on equipment ledger charge of the unit to which the officer belongs. In the case of staff officers, the saddlery, etc., will be accounted for by a unit to be selected by the headquarters concerned. The saddlery, etc., will accompany the officer on transfer * if he so desires, the usual receipt and issue vouchers being passed between the units concerned, but public saddlery, etc., will not be taken to India or Burma by individual officers transferred to the Indian or Burman establishments.

Officers' chargers issued to a unit entitled to a pool of chargers, as authorized by Allowance Regulations, will be supplied with one set of saddlery for each charger. The saddlery will be held on charge as public equipment and will not be transferred from one unit to another.

300. The lamb skins or leopard skins issued with sets of officers' saddlery will be supplied without any edgings or facings. Regimental arrangements should be made for fitting

* Does not apply to officers moving to headquarters or other units on mobilization.

the edgings and facings, for which the following allowances will be drawn from the command paymaster :—

2*s.* 3*d.* for an officer of a mounted unit (the work being done by the regimental saddler).
3*s.* 6*d.* for an officer of a dismounted unit.

Payments will be charged against Vote 8, Equipment Stores, Harness and Saddlery. The above allowances will be issuable to men in receipt of normal rates of pay only, and not to those in receipt of tradesmen's rates.

301. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the R.A.O.C. by Os.C. mounted units and returned to store on arrival at their destination.

302. When units proceeding by sea are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four-bushel corn sack will hold one single set of harness or two sets of saddlery). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation ; for this purpose three " brushes, sash tool, No. 2," and three pounds of black paint for every 100 sacks may be indented for.

The two sets of saddlery will be packed in the four-bushel corn sack in the following manner :—Detach stirrup irons and place them in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete together with traces (if any) inside saddle. Place saddle blanket on top.

The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

303. Horse rugs for use in stables during cold weather will be allowed on the scale of one for each public horse or mule.

At home stations a second rug will be issued when considered necessary by the senior veterinary officer. Rugs will normally be indented for on 1st September, and will be returned to R.A.O.C. in April. At stations abroad rugs will be indented for, when considered necessary by the senior veterinary officer, and will be returned to ordnance store at the end of the cold weather.

If units go into standing camp or proceed on manœuvres before the rugs in use in stables are returned to ordnance store, those in possession will be taken by the unit instead of indenting on R.A.O.C. for rugs under the standing camp or manœuvre scales (*see* **Appx. 26**).

The rugs allowed for sick animals under E.R., Part 2, must on no account be used on healthy animals.

304. Stable necessaries will be supplied in the proportions laid down in the several sections of E.R., Part 2, for all horses the property of the public. Officers entitled to the free issue of one or more public horses, but permitted to provide their own horses for military duty in lieu, may also be supplied with the foregoing articles for each horse so provided. For hired horses, when employed on the public service, issue may, if necessary, be made of one horse brush and one curry comb for every two horses, and one horse-rubber and one nosebag for each horse.

A portion of horse brushes may, at the discretion of C.Os., be commuted for dandy brushes. For commutation purposes two dandy brushes will be regarded as the equivalent of one horse brush.

305. Such stable necessaries as are an annual supply will be dealt with under paras. **107** and **434**, and need not be returned to store when unserviceable.

306. Losses or premature unserviceability of stable necessaries will be dealt with under paras. **95** and **115**.

307. The following proportions of hair and flock, in addition to the annual allowance given in **Appx. 22**, will be issued with each pair of new stuffed pannels, if indented for :—

Pannels, officers'	... ...	½ lb. of flock.
Pannels, packsaddlery	...	2 lb. of hair, curled.

308. Equitation articles will be supplied to mounted services in the proportions shown in the several sections of E.R., Part 2, and will be accounted for in the same manner as other equipment. The detail of a set is shown in **Appx. 23**, Table 12.

309. Each cast army horse which has to be sent by rail to the place of sale may be provided with a halter, common, which will be disposed of with the horse.

Cast animals sent by rail to London for destruction will be provided with halters, common, and, when necessary, horse rugs and hay nets. These articles will be received by the contractor, but vouchered to the C.O.O. Central Ordnance Depot, Didcot, Berks, the receipt obtained from the contractor for the articles received by him being sent to the C.O.O. with the voucher. The C.O.O., Didcot, will arrange for the periodical removal of the articles from the contractor.

CHAPTER 10.—HORSESHOES, FORGE, FARRIERS AND SADDLERS TOOLS

310. Horse and mule shoes will be issued for use during peace and will be stored with mobilization equipments of units on the following scale of sizes.

Shoes tapped for use with frost cogs will be held in mobilization equipments.

A.—HEAVY DRAUGHT HORSES

I.—Iron Shoes

Designation.	Percentage of sizes.
Shoes, horse, heavy pattern—	
Fore ... 6¾-in.	25
Fore ... 7 ,,	30
Fore ... 7¼ ,,	20
Fore ... 7½ ,,	15
Fore ... 7¾ ,,	5
Fore ... 8 ,,	5
Hind, with calkins 6¾ ,,	45
Hind, with calkins 7 ,,	35
Hind, with calkins 7¼ ,,	10
Hind, with calkins 7½ ,,	10

II.—Steel Shoes

Designation.	Percentage of sizes.
Shoes, horse, steel—	
No. 10, fore	10
Shoes, horse, steel, heavy pattern—	
Fore ... 6¾-in.	20
Fore ... 7 ,,	25
Fore ... 7¼ ,,	20
Fore ... 7½ ,,	15
Fore ... 7¾ ,,	5
Fore ... 8 ,,	5
Shoes, horse, steel—	
No. 8 hind, wheel	20
,, 9 hind, wheel	20
,, 10 hind, wheel	25
Shoes, horse, steel, heavy pattern—	
Hind 6¾-in.	20
Hind 7 ,,	10
Hind 7¼ ,,	2½
Hind 7½ ,,	2½

B.—OTHER HORSES AND MULES

I.—Iron Shoes

Designation.	Percentage of sizes for: Household Cavalry.	Cavalry of the Line. Home.	Cavalry of the Line. Egypt.	Royal Artillery. Horse.	Royal Artillery. Field.	Royal Artillery. Light (*a*).	R.E., R. Signals, R.A.S.C., Infantry, Headquarters units, etc. Home.	R.E., R. Signals, R.A.S.C., Infantry, Headquarters units, etc. Egypt.
Shoes, horse—								
No. 3, fore and hind	—	5	—	—	—	—	—	—
,, 4 ,, ,,	—	45	2	20	8	—	4	—
,, 5 fore	43	36	16	28	20	—	28	—
,, 5 hind, without calkins	43	36	16	21	14	—	14	—
,, 5 hind, with calkins	—	—	—	7	6	—	14	—
,, 6 fore	40	12	14	32	30	—	32	8
,, 6 hind, without calkins	36	10	14	8	9	—	16	4
,, 6 hind, with calkins	4	2	—	24	21	—	16	4
,, 7 fore	16	1	1	12	24	—	24	—
,, 7 hind, without calkins	8	½	½	2	24	—	—	—
,, 7 hind, with calkins	8	½	½	10	—	—	24	—
,, 8 fore	1	1	—	6	14	—	8	—
,, 8 hind, with calkins	1	1	—	6	14	—	8	—
,, 9 fore	—	—	—	2	2	—	4	—
,, 9 hind, with calkins	—	—	—	2	2	—	4	—
,, 10 fore	—	—	—	—	—	—	2	—
,, 10 hind, with calkins	—	—	—	—	—	—	2	—
Shoes, horse, light pattern—								
No. 2, fore and hind	—	—	34	—	—	—	—	8
,, 3 ,, ,,	—	—	33	—	—	—	—	25
,, 4 ,, ,,	—	—	—	—	—	—	—	34
,, 5 ,, ,,	—	—	—	—	—	—	—	25
Shoes, mule—								
No. 11, Mk. II	—	—	10	—	—	—	10	10
,, 12 ,,	—	—	15	—	—	—	15	15
,, 13 ,,	—	—	20	—	—	—	20	20
,, 14 ,,	—	—	25	—	—	—	25	25
,, 15 ,,	—	—	20	—	—	—	20	20
,, 16 ,,	—	—	10	—	—	—	10	10

(*a*) Sizes will be indented for according to animals in possession.

II.—Steel Shoes

Designation.	Percentage of sizes for							
	Household Cavalry.	Cavalry of the Line.		R.A.			R.E., R. Signals, R.A.S.C., Infantry, Head-quarters units, etc.	
		Home.	Egypt.	Horse.	Field.	Light (*a*).	Home.	Egypt.
Shoes, horse, steel—								
No. 2, fore and hind ...	—	—	34	—	—	—	—	8
,, 3 ,, ,, ...	—	5	33	—	—	—	—	25
,, 4 ,, ,, ...	—	45	2	20	8	—	4	34
,, 5 fore	43	36	16	28	20	—	28	25
,, 5 hind, lead	43	36	16	21	14	—	14	25
,, 5 ,, wheel ...	—	—	—	7	6	—	14	—
,, 6 fore	40	12	14	32	30	—	32	8
,, 6 hind, lead	36	10	14	8	9	—	16	4
,, 6 ,, wheel ...	4	2	—	24	21	—	16	4
,, 7 fore	16	1	1	12	24	—	24	—
,, 7 hind, lead	8	½	½	2	24	—	—	—
,, 7 ,, wheel ...	8	½	½	10	—	—	24	—
,, 8 fore	1	1	—	6	14	—	8	—
,, 8 hind, wheel ...	1	1	—	6	14	—	8	—
,, 9 fore	—	—	—	2	2	—	4	—
,, 9 hind, wheel ...	—	—	—	2	2	—	4	—
,, 10 fore	—	—	—	—	—	—	2	—
,, 10 hind, wheel ...	—	—	—	—	—	—	2	—
Shoes, mule, steel—								
No. 11	—	—	10	—	—	—	10	10
,, 12	—	—	15	—	—	—	15	15
,, 13	—	—	20	—	—	—	20	20
,, 14	—	—	25	—	—	—	25	25
,, 15	—	—	20	—	—	—	20	20
,, 16	—	—	10	—	—	—	10	10

(*a*) Sizes will be indented for according to animals in possession.

311. The war scale of shoes for all animals will be at the rate of 50 sets for every 100 animals included in the war establishments of units.

GENERAL INSTRUCTIONS FOR THE SUPPLY OF SHOES AND NAILS DURING PEACE

312. Shoes and nails will be indented for quarterly as follows :—

Shoes.

Cavalry, R.A., R.E., R. Signals and R.A.S.C.—Not more, at any one time, than three sets for 50 per cent. of the horses on the strength of the unit (*see* para. **320**).

Other units.—Not more, at any one time, than three sets for each horse on the strength of the unit.

Nails.

All units.—Not more, at any one time, than the equivalent of three sets for each horse on the strength of the unit, plus (as spare) 10 per cent.

These quantities are regarded as normally sufficient for three months, and no additional issues will be made without a certificate from the veterinary officer, countersigned by the C.O., explaining the circumstances which have rendered additional supplies necessary.

Unless specially indented for, shoes will be issued to Cavalry, R.A., R.E. and R. Signals in sizes as detailed in para. **310**. Other units will indent for sizes as required.

313. A spare set of shoes ready fitted for immediate use and with the proper complement of nails will be held by units for every public horse. These shoes will be used every quarter and replaced by new ones.

A spare set of shoes (with the necessary nails) will also be held for 50 per cent. of the number of horses required to complete the unit from peace to war establishment, to cover shoeing operations on mobilization.

314. When units march from one station to another, one fore shoe (with nails) will be carried for each horse, and in the case of horses with brittle feet, one hind shoe (with nails) in addition. C.Os. will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set a horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance depot at the station, hand them over to the incoming unit, in either case obtaining a receipt. The shoes removed from the horses' feet on the march will be returned to store should opportunity offer, and a receipt likewise obtained for them, unless they can be conveniently carried by the regimental transport. When

the route of the unit lies through a R.A.O.C. station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination, a number of new shoes equivalent to those returned to store or handed over may be drawn, one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the indent.

If the unit proceeds by rail from one station to another, one set of shoes (with nails) for each animal on the strength may be taken, the balance being returned to store or handed over to the incoming unit if there is no ordnance depot at the station, and others drawn in lieu as directed above.

315. Horses supplied free to officers entitled to them under the Allowance Regulations, and used solely for military purposes, will be shod at the public expense.

316. (1) All horses, the property of the public, for which a hiring or hire purchase charge is paid by officers under Regulations Governing the Use of Chargers and Troop Horses for General Purposes, 1930, and all privately owned horses foraged at the cost of the public, must be shod at the officers' expense. If the shoeing of these horses is performed in an army farriery, charges will be made against the officer concerned as follows :—

(*a*) For supplying and putting on new shoes, five shillings a set.

(*b*) For putting on a set of new shoes provided privately, three shillings.

(*c*) For removing and refitting old but still serviceable shoes, two shillings a set.

(2) No charge will be made for the shoeing of troop horses hired for polo, hunting or show jumping, unless special shoes are fitted, in which case the unit will be charged as laid down above.

(3) Provided that the O.C. the owner's unit certifies that no civilian shoeing facilities are accessible in the vicinity, privately owned horses or ponies the property of serving officers, although not foraged at the cost of the public, may also be shod in army farrieries by permission of the O.C. the unit carrying out the shoeing concerned. The charges to be made for such services will be as follows :—

(*a*) For supplying and putting on new shoes, nine shillings a set.

(*b*) For putting on a set of new shoes, provided privately, six shillings.

(*c*) For removing and refitting old but still serviceable shoes, four shillings a set.

(4) Monthly returns on A.F. O 1780 will be rendered by the senior farrier of the unit to the C.O., showing particulars of all horses shod under the provisions of this paragraph. The C.O. will be responsible for the collection of the sums due from the various officers concerned, whether of his own unit or otherwise. He will send A.F. O 1780 in duplicate to the command cashier with a remittance covering the total sum due.

Farriers will keep a record of shoeings in A.B. 71 (Shoeing Roll) and C.Os. will ensure that this book is properly maintained. It will be available for inspection by the army auditor when required.

(5) Shoes and nails will not be supplied from public sources on payment for officers' horses not shod in an army farriery.

317. Unless specially indented for, nails will be issued in the proportions shown by weight in the following table :—

Table of Nails for Iron Shoes, Horse, Mule and Pony

Designation.	Designation of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of nails allowed for each set of shoes.
		lb.	
Shoes, horse—			
Nos. 1 and 2 ...	No. 6	22	26
No. 3			26
No. 4	No. 6	22	32
No. 5	25% No. 6	7	32
	75% No. 8	27	
No. 6	75% No. 8	27	32
	25% No. 10	12	
Nos. 7 and 8 ...	75% No. 8	30	36
	25% No. 10	13	
Nos. 9 and 10—			
Fore and hind, without calkins	80% No. 10	47	42
	20% No. 13	16	
Hind, with calkins	60% No. 10	35	42
	40% No. 13	33	
Shoes, horse—			
Heavy pattern, all sizes	75% No. 13	66	46
	25% No. 15	29	
Light pattern—			
Nos. 2 and 3	No. 6	22	26
No. 4	80% No. 6	18	26
	20% No. 8	6	
No. 5	No. 8	29	26
Shoes, mule—			
Nos. 11 and 12, Mk. II ...	No. 4	14	26
Nos. 13, 14 and 15, Mk. II	No. 6	27	32
No. 16, Mk. II	No. 8	36	32
Shoes, pony—			
No. 21	No.	14	26

Table for Nails for Steel Shoes—Horse, Mule and Pony

Designation.	Description of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of nails allowed for each set of shoes.
		lb.	
Shoes, horse, steel—			
No. 1 { fore ... / hind ... }	No. 4	15	26
Nos. 2, 3 and 4 { fore ... / hind ... }	No. 6	22	26
Nos. 5 and 6 { fore ... / hind, lead ... / ,, wheel }	50% No. 6	14	32
	50% No. 8	18	
	75% No. 8	26	
	25% No. 10	12	
No. 7 { fore ... / hind, lead ... / ,, wheel }	75% No. 8	30	36
	25% No. 10	16	
	50% No. 8	16	
	50% No. 10	20	
No. 8 { fore ... / hind, lead ... / ,, wheel }	75% No. 8	28	
	25% No. 10	12	
	25% No. 8	10	
	75% No. 10	36	
Nos. 9 and 10 { fore ... / hind, lead ... / ,, wheel }	50% No. 8	22	42
	50% No. 10	28	
	60% No. 10	34	
	40% No. 13	32	
Shoes, horse, steel—			
Heavy pattern, all sizes—			
Fore	75% No. 13	66	46
Hind	25% No. 15	29	
Shoes, mule, steel—			
Nos. 11 and 12	No. 4	14	26
Nos. 13, 14 and 15	No. 6	27	32
No. 16	No. 8	36	32
Shoes, pony, steel—			
No. 21 { fore ... / hind ... }	No. 4	14	26

FROST COGS, TAPS AND WRENCHES

A.—PEACE

318. (*a*) On the 1st September in each year, indents will be put forward by Os.C. units at home (Jersey and Guernsey excepted) for the number of cogs, screw, frost, required to bring those in possession up to the scale of two sets for each horse and mule. They will be indented for by weight.

The proportion of cogs allowed will be as follows :—

Designation.	No. of cogs for each set of shoes.	Description of cogs.	Weight of cogs allowed for every 100 sets of 4 shoes.
			lb.
Shoes, horse, sizes 1–7, and all mule and pony shoes ...	8	⅜-in.	25
Shoes, horse, size 8	16	⅜-in.	50
Shoes, horse, sizes 9 and 10, and all heavy shoes ...	16	½-in.	100

(*b*) To enable horse and mule shoes to be tapped for frost cogs by regimental farriers in winter months when necessary, the under-mentioned articles will be issued as peace equipment to those units, etc., as stated below, which are not in possession of screw-cutting tools containing suitable taps and wrenches for tapping shoes.

In the case of units, etc., whose establishment does not include a farrier, local arrangements will be made to carry out the tapping when necessary.

Section F

Tools, screw-cutting, B.S.W., Sets, No. 1—
Taps, ½-in. taper ... 3
,, ⅜-in. ,, ... 3
Wrenches, reamers and tools, screwcutting—
C. 1
D. 1

For each squadron of cavalry and all other units, schools, etc., whose establishment includes a farrier, except the Equitation School, Weedon, when double these quantities may be issued.

(*c*) Taps and wrenches for use with frost cogs will be issued in the following proportions :—

Taps, frost cog :—
⅜-in. { 1 each farrier. 1 every 4 animals on the strength of units which require ⅜-in. cogs.
½-in. { 1 each farrier of units having horses which require ½-in. cogs. 1 every 4 horses on the strength of units which require ½-in. cogs.

Wrenches, frost cog—1 each farrier. 1 every 4 animals on the strength of units.

B.—WAR

319. The war scale of frost cogs will be one set for each animal. Scales of taps and wrenches will be as laid down in para. **318** (*c*). Frost cogs will not be stored with mobilization equipments, but will be provided by the R.A.O.C. on mobilization if specially ordered.

Special Instructions

Cavalry, R.A., R.E., R. Signals and R.A.S.C.

320. One set of shoes each month will be allowed for each horse on the establishment. Of this allowance 50 per cent. will be machine-made shoes issued by the R.A.O.C., and the remaining 50 per cent., will be made in the forges of the units out of the worn-out shoes removed from the horses ; any iron or steel, mild flat in the case of units in possession of steel horse-shoes, that may be required in addition, will be supplied by the R.A.O.C. on the indent of the C.O., supported by the veterinary officer's certificate.

Worn-out shoes which cannot be utilized by units will be brought on equipment ledger charge by certificate receipt voucher and returned to the R.A.O.C. quarterly.

Other Units

321. One set of machine-made shoes each month will be allowed for each horse on the establishment. In China, steel, mild, flat, may be issued for manufacture of suitable shoes, for 25 per cent. of the China class ponies on the establishment. All worn-out shoes will be returned to the R.A.O.C.

At stations other than Aldershot the necessary arrangements for shoeing the horses of C.M.P. will be made by the O.C. the unit to which the horses are attached.

Forge and Farriers' Tools, etc.

322. (1) Forge and farriers' tools for peace (except the barrack fixtures provided by the R.E.) will be drawn from the R.A.O.C. and held on equipment ledger charge.

(2) The chest, tool, filled, farriers, the detailed contents of which are given in the publication " Tools.—Detail of Sets, 1940," contains one set of forge and one set of farriers tools. The proportions in which the chests will be supplied are as follows :—

Cavalry regiment	home	4
	colonies	6
School of Equitation		2
R. Signals–depot battalion		6
Divisional signals		2
" A " Corps signals		1
Other signal company or cavalry divisional signals		1
Field squadron, R.E.		1
Field company, R.E.		1
R.E. mounted depot		1
R.A.S.C. training battalion		1
C.M.P., Aldershot		1

(3) Additional sets of farriers tools will be supplied to make the total number on charge equal to, in the case of :—

(*a*) *Cavalry regiments, Colonies*—

1 each farrier serjeant, farrier corporal and farrier, and one spare set each squadron for instructional purposes, this set to include two aprons, leather.

(*b*) *Cavalry regiments, Home*—

1 each farrier included in peace establishment.

(*c*) *School of Equitation* ... 9 sets.

(*d*) *R.A. units*—

As detailed in E.R., Part 2.

(*e*) *R.E. units*—

Mounted depot ... ... 4 sets.
Field squadron ... ... 3 bags, tool, farriers, filled.

(*f*) *R. Signals*—

Divisional signals ... 3 bags, tool, farriers, filled.
Artillery signal section (horsed) ... ... 1 bag, tool, farriers, filled.
Depot battalion ... 6 bags, tool, farriers, filled.

(*g*) *R.A.S.C.*—

Training battalion ... 2 sets.

(4) One spare set of tools for instructional purposes, consisting of :—

Buffers, farriers	2
Hammers, farriers, shoeing	2
,, ,, sledge	1
Knives, drawing, farriers	2
,, searching, farriers	1

will be issued to each of the under-mentioned units, viz. :—

R.E.—

Field Squadron.
Field Company.
Mounted depot.

R. Signals—

Divisional Signals.
Cavalry Divisional Signals.

(5) Worn-out rasps may be retained for steeling horseshoes.

323. Tools, Saddlers.—Saddlers tools will be supplied in the following proportions :—

Panniers tool, saddlers, filled.	1 each saddler borne on peace establishment of a cavalry regiment. Other units, except R.A., 1 for first saddler borne on peace establishment.
Holdall's, tool, saddlers, filled.	All units except cavalry regiments and R.A.—1 each saddler borne on the establishment except those provided with a pannier.

324. For war, forge and farriers tools will be supplied as follows :—

All units except those mentioned below.	1 bag, tool, filled, farriers, as detailed in " Tools—Detail of Sets, 1940, pamphlet No. 7 " for each farrier serjeant, farrier corporal and farrier on the war establishment.
R.A. Units ...	As detailed in E.R., Part 2.
Field companies, R.E.	3 bags, tool, filled, farriers, each company.

	Chests, tool, filled, farriers.	Additional sets of farrier's tools.
R.A.S.C.— Training battalion	1	Sufficient bags, tool, filled, farriers, as may be necessary to allow 1 bag for each farrier-serjeant, farrier-corporal, and farrier on the war establishment.

The tools forming part of the peace equipments of units will be taken in diminution of war requirements.

CHAPTER 11.—RESPIRATORS AND STORES FOR ANTI-GAS TRAINING

325. The stores authorized for anti-gas training and for unit repairs under para. **335** are detailed in **Appx. 39.**

Instructions regarding the method of using and storing lachrymatory capsules and the precautions to be observed in handling the capsules are contained in **Appx. 40.**

326. Instructions to guide storage and inspection of anti-gas equipment are contained in **Appx. 41.**

327. Units at home and abroad * will hold respirators as follows :—

(*a*) *Facepieces, Mk. III or IV.* On the scale of one for each officer and man up to the full peace establishment *, plus 5 per cent. spare as a margin to replace condemnations.

(*b*) *Haversacks.* On the scale of one for each officer and man up to the full peace establishment.* Haversacks Mk. I and I.T. which are issued for the use of mounted troops will require to be modified by the unit in accordance with List of Changes, para. A 428.

(*c*) *Outfits, Anti-Dimming, Mks. II, III or IV.* On a scale of one for each officer and man up to the full peace establishment * with the addition of 30 per cent. for replacement. Each outfit contains sufficient anti-dim compound to last three years under normal conditions of use.

(*d*) *Containers, Type A, D or E.* On the scale of one for each officer and man up to the full peace establishment,* plus 5 per cent. spare as a margin to replace condemnation. These will be withdrawn immediately on the mobilization of the unit.

One of each of the above items (*a*) to (*d*) will also be issued to members of Q.A.I.M.N.S., including reserve sisters who are filling vacancies on the peace establishments of hospitals.

* Units abroad will only hold respirators to the number on the strength.

(*e*) *Containers, Type E, Mk. I,* will be stored with mobilization equipment of certain units as specially ordered by the War Office on the scale of one for each officer and man. For all other units they will be issued by the R.A.O.C. when the unit is ordered to mobilize. They will also be issued as required on mobilization to members of Q.A.I.M.N.S.

(i) These containers will be stored during peace in their original packages. Each case will be packed with 40 containers and 60 pieces of wire, 11 in. long, for fixing to facepieces on mobilization. This allows 50 per cent. spare pieces of wire.

(ii) The adhesive tape required for use when fixing the wire is detailed in war equipment tables and will be provided by the R.A.O.C. on mobilization.

(*f*) 10 per cent. spare facepieces will be held with units' mobilization equipments for fitting reservists posted on mobilization. This percentage will be calculated on the difference between peace and war establishments of units existing in peace, and on full war establishments of units not existing in peace.

(*g*) On mobilization, when the mobilization container is taken into use, the tacking of the pleat in the partition of converted pattern haversacks (L. of C. **A6984**) will be removed to enlarge the partition and permit of the satisfactory housing of the mobilization container.

In the case of unconverted haversacks Mark I, IT and ITM, the haversack will be turned inside out and a cut made up each side of the partition (close to the seams, but without interfering with the stitching) for a distance of 3-in. from the bottom. The partition will then be cut across so that a piece of canvas 3-in. long by about 2⅝-in. wide is removed from the bottom of the partition.

The wire platforms must be removed from all types of haversacks before Types D or E containers are inserted. The platforms will be returned to the R.A.O.C.

When the E Type container is inserted into the haversack, the slots of the inlet valve must be towards the partition.

328. Depots will hold complete respirators (facepiece, haversack, container, and outfit, anti-dimming), on the scale of one for each officer and man on the authorized establishment.

Complete respirators will also be issued to all recruits and boys on first joining at depots or at units and also to authorized recruiting officers.

329. The respirator is an article of personal equipment which remains in the possession of the individual so long as it is serviceable. In order that the facepiece may provide efficient protection against gas and, at the same time, not lead to discomfort when worn for long periods, it is essential that it should be properly fitted to the individual. The man, when trained to put it on, can then rely for complete protection on the fitted facepiece, and on that one only. The facepiece and the adjustment of the elastic buckles should therefore not be changed without refitting.

Full details regarding fitting will be found in the Manual of Protection Against Gas and Air Raids.

As soon as men have been fitted with respirators, arrangements should be made to have the latter marked in accordance with para. **549**.

330. Respirators will accompany personnel on all changes of station (except India and Burma), including posting from depot to battalion and transfer from one unit to another.

Respirators of personnel proceeding on furlough and courses of instruction will be dealt with in the manner laid down for accoutrements, etc., in para. **133** second sub-paragraph.

Officers, warrant officers and N.C.Os. will take their respirators with them when taking up seconded appointments under Government Departments.

Should respirators require replacement during seconded service, the cost will be met by the Government concerned.

331. Complete respirators packed in cases R.4 and R.5 ready for immediate issue, will be removed from their cases once a month and the facepiece taken out of each haversack for 24 hours to avoid, as far as possible, distortion of the facepiece. After this operation, the facepiece will be replaced in the haversack and the respirators repacked in their cases as laid down in the approved manner.

332. The number of respirators in possession of units (other than depots) will be adjusted to the approved scales laid down in para. **327** once a quarter, when surpluses consequent on the arrival of drafts, etc., will be returned to the R.A.O.C., or deficiencies due to the departure of overseas drafts, etc., will be made up by drawing from the R.A.O.C. on indent.

Depots will indent once a quarter for such respirators as are likely to be required for equipping recruits. Indents should provide for facepieces of various sizes being requisitioned in suitable proportions.

333. Respirators in possession of officers who are posted to non-accounting units (except the War Office) will be written off charge by certificate issue voucher. When officers are reposted to accounting units their respirators will be taken on charge by certificate receipt voucher.

Arrangements will be made within non-accounting units to ensure that every officer is in possession of a respirator and for its annual inspection by an I.O.O. in accordance with para. **335.**

Intermediate Respirator Inspection.

334. Respirators will be inspected frequently by the company, etc., officer, who will ensure that they are complete and properly cared for. Respirators found to be faulty at such inspections will be repaired by the unit forthwith if such repair is authorized by the Manual of Protection Against Gas and Air Raids, and para. **344** of these regulations. Respirators requiring other repairs will be sentenced " D " (doubtful) and A.F. G 1045 for the required repairs will be submitted to the D.A.D.O.S. of the area, together with three copies of A.F. G 870A enfaced " Intermediate Inspection," giving the particulars of those facepieces and containers concerned. Small accumulations of " D " facepieces, containers, etc., are permitted before these forms are submitted.

A record will be kept of sub-components replaced by the unit and a summary of these articles, grouped by maker and date of manufacture, will be entered on the A.F. G 870A submitted at an Intermediate or the Annual Inspection.

After repair, the respirators (except those which are " B.L.R.", *i.e.* beyond local repair) will be returned to the unit and the I.O.O. will complete A.F. G 870A to show the actual condition of the respirators before repair and the details (date and maker's mark) of any unserviceable components replaced. One copy of A.F. G 870A and A.F. G 1045 will be returned to the unit in order that appropriate accounting action may be taken in respect of components sentenced " B.L.R." (*see* para. **335**). Instructions for dealing with the remaining forms will be found in R.A.O.S., Part II, Pamphlet No. 26.

Annual Respirator Inspection.

335. A detailed inspection and classification of respirators will be carried out annually under unit arrangement by an officer or N.C.O. who has qualified as an instructor at the Anti-Gas Wing, Small Arm School. The method of carrying out the inspection is detailed in the Manual of Protection Against Gas and Air Raids. He will enter the results of his classification on A.F. G 870A, in triplicate, the numbers of

serviceable " S " repairable by unit, " R (by unit) ", and doubtful, " D ", *i.e.*, other than " S " and " R (by unit) ", being inserted in the appropriate column. When discrepancies arise between the numbers on charge and the numbers inspected, an explanatory note will be made on the Army Form.

The completed A.F. G 870A will be submitted to the I.O.O. on his annual inspection, when all respirators on unit charge which have been classified " D " and five per cent. of those classified " S " will be inspected and sentenced by the I.O.O. as laid down in R.A.O.S., Part II, Pamphlet No. 26.

During the inspection the I.O.O. will segregate those respirators which require further unit repair, those which are " R (by R.A.O.C.) " and those which are beyond local repair (" B.L.R."). On completion, the unit will immediately undertake the repair of those sentenced " R (by unit)."

Those sentenced " R (by R.A.O.C.) " will be returned to ordnance depots, as called for, accompanied by A.F. G 1045 in triplicate. On this form will be included any repairs to respirators carried out by the I.O.O. during the inspection and prior to sentence.

Respirators sentenced " B.L.R." will be returned, either through ordnance depots or directly to the C.O.O., Royal Arsenal, Woolwich, as most convenient, for examination by the C.I.A. It is not necessary to make out A.F. G 870A to accompany these respirators. Any component sentenced " B.L.R." through unfair wear should be so labelled before despatch. Replacements for " B.L.R." stores should be demanded at once.

When all entries on A.F. G 870A have been completed, the I.O.O. will forward the form, in duplicate, through the D.A.D.O.S. or the A.D.O.S. of the area to the unit. The unit will forward the original through the H.Q. of the command to the C.I.A.

336. (*a*) Mobilization respirator equipment in unit custody will be inspected annually by the I.O.O. jointly with a qualified unit instructor. The results will be recorded on A.F. G 870B, in triplicate, and the forms submitted in the same manner as A.F. G 870A.

(*b*) The numbers to be inspected are as follows :—

Facepieces—

1 per cent. up to 2 years after the date of manufacture of the mask, with a minimum of 10.

2 per cent. when over 2 years after the date of manufacture of the mask, with a minimum of 20.

5 per cent. when over 3 years after the date of manufacture of the mask, with a minimum of 50.

Containers, Type E—

1 per cent. from each year of filling, with a minimum of 10.

Haversacks—

5 per cent., with a minimum of 10 and a maximum of 100.

Outfits, anti-dimming—

5 per cent., with a minimum of 10 and a maximum of 100.

(*c*) Cases should not be opened unnecessarily. The date of filling of containers and of assembly of facepieces (assumed to approximate to the date of manufacture of the masks) will be found stencilled on the case. Should defects of any nature be found, a further double percentage will be examined. Should any further defects be found, the stores concerned will be 100 per cent. examined.

(*d*) In addition to the containers inspected, a further 0·2 per cent., with a minimum of 1, will be selected from each year of filling, of which the number on charge exceeds 100, for inspection and proof by the C.I.A. A separate A.F. G 870A, in duplicate, will be prepared for these containers and sent to the C.I.A., the containers being despatched at the same time to the C.O.O., Royal Arsenal, Woolwich. As these containers will be expended in proof, indents should be submitted to the A.D.O.S. of the area for their replacement, without waiting for the return of the A.F. G 870A.

337. All respirators in possession of troops will be tested in a gas chamber at least once a year under the supervision of a trained gas instructor. The instructions regarding the use of gas chambers are detailed in the Manual of Protection Against Gas and Air Raids.

338. Containers, Type A, Mk. II and Mk. III, may be used in lethal and lachrymatory gases.

If so employed they should be inspected beforehand in order to ascertain whether the canisters are outwardly mechanically sound. If any perforations or punctures are apparent, the containers should not be used, but should be sentenced " D ". Also any containers in which the resistance to breathing is unduly high should be similarly treated.

Containers, Type A, Mk. II and Mk. III, are not proof against toxic smokes.

***Disinfection of Respirators.**

339. The following will be issued for the purposes of disinfection with each respirator in possession of troops :—

Cloths, disinfecting, facepiece. 1 every 10 facepieces on charge.

†Izal (held by units and issued as required).

* *See* A.C.I. 464 of 1940. † R.A.S.C. supply.

340. The following instructions with regard to disinfection apply to all respirators, whether in use or held in haversacks in store. All units will also disinfect, immediately before despatch, all facepieces which are being returned to R.A.O.C., and issue vouchers or workshop indents will be enfaced with a certificate that this has been done. They will also disinfect all facepieces received from the R.A.O.C. before the facepieces are issued for wear, unless issued within six months of receipt.

341. (1) Respirators will be disinfected twice yearly and on every occasion that the facepiece changes ownership or in cases of infectious disease. When disinfecting, the following procedure will be carried out :—

A solution of Izal, three parts of Izal to 100 parts of water, will be prepared. The solution must be freshly prepared for use on each occasion and not more than 100 facepieces must be disinfected with three gallons of the solution.

Sponge out the entire inner surface of the facepieces (including the eyepieces) with the disinfecting solution, taking care not to allow the liquid to enter the air inlet orifices, which are at the sides of the eyepieces in the Mk. III facepiece and between the eyepieces in the Mk. IV facepiece.

Turn the facepiece completely inside out so that a cup-shaped depression is formed over the outlet valve.

(*a*) For Facepiece, Mk. III.—Nip the outlet valve between the fingers and pour into the cup-shaped depression about two fluid ounces of the disinfecting solution.

Swill the solution round gently, then release the outlet valve and allow as much as possible of the solution to drain out through the valve.

Any solution remaining in the mask must be emptied out.

(*b*) For Facepiece, Mk. IV.—Close the air inlet orifice between the eyepieces by inserting the thumb carefully in the hole. Pour about two fluid ounces of the disinfecting solution into the cup-shaped depression over the expiratory valve and swill round. If the solution does not pass out through the valve, tilt the facepiece over and allow the liquid to escape.

Set the facepiece aside and proceed as above with other facepieces, arranging the routine so that each facepiece stands with a film of the disinfecting solution on it for at least five minutes.

After the facepiece has stood for five minutes, repeat the procedure at (*a*) or (*b*) with clean water instead of the solution

and sponge out the whole of the inside surface of the facepiece with water, taking care not to allow the water to enter the air inlet orifices.

Wipe the inside of the facepiece with a clean disinfecting cloth, and set it aside to dry off thoroughly, at room temperature. The facepiece must not be turned inside out or otherwise distorted in drying and must not be exposed to strong light or heat, since this leads to cracking of the rubber.

Care must be taken as far as possible to avoid wetting the stockinette covering of the mask, as this requires a long time to dry.

(**2**) In the event of an epidemic, the above procedure will be discontinued immediately and respirators will be disinfected in accordance with the following instructions :—

(*a*) A solution of Izal will be prepared, three parts of Izal to 100 parts of water. The solution of Izal for disinfecting purposes should be freshly made for use on each occasion and not more than 50 facepieces should be disinfected with three gallons of the solution.

(*b*) The rubber connecting tube will be detached from the container, and the whole facepiece, with connecting tube, immersed in the disinfecting solution. Any convenient vessel may be used to accommodate a number of facepieces at one time.

(*c*) After five minutes the facepiece is to be removed from the disinfecting solution and thoroughly washed out with water.

(*d*) As much water as possible will be shaken off the facepiece and out of the connecting tube. The facepiece will be wiped dry as far as possible with a clean rag and the whole will then be laid out to complete drying. The facepiece must not be turned inside out or otherwise distorted while drying, and must not be exposed to strong light, or heat, since this leads to cracking of the rubber. The time taken to dry will vary with the time of year, but it is essential that all moisture is allowed to dry out of the connecting tube before replacement on the container.

(*e*) Containers.—The inside of the neck of the container will be wiped out carefully with a rag moistened with the Izal solution, the greatest care being taken to prevent any of the Izal solution from penetrating to the chemicals in the container.

(*f*) After disinfection, the rubber connecting tube should be re-attached to the container with wire binding, 11-in., over a strip of adhesive tape (*see* the Manual of Protection Against Gas and Air Raids).

Cleaning of Respirators.

342. After use, the facepiece will be wiped by the individual owner with his own towel or handkerchief.

In order to keep the facepiece in a wholesome condition, the following cleaning procedure will be carried out at intervals to be fixed at the discretion of the company, etc., commander :—

(*a*) A solution of one part of Izal to 200 parts of water will be used.

(*b*) Each individual will soak the end of his towel (or a handkerchief) in the disinfecting solution and sponge the whole of the inside of the facepiece.

(*c*) Wipe out with water, taking care not to allow water to enter the connecting tube, and allow to dry.

These instructions apply to both Marks III and IV facepieces.

The external stockinette covering of the facepiece, when soiled by dust and mud, will be cleaned by light brushing. Other methods of cleaning are prohibited.

If wet from exposure to rain, the facepiece and head harness must be allowed to dry thoroughly before being put away in the haversack.

Nothing in this paragraph nullifies the instructions in paras. **340** and **341**.

343. In tropical climates :—

(*a*) During the monsoon period each individual will frequently wipe the facepiece, using his own towel (or a handkerchief). The facepiece will be inspected by the C.O. before being put away.

(*b*) At changes of season respirators will be tested in a gas chamber under the supervision of a trained gas instructor.

(*c*) A monthly " airing " of respirators in store in haversacks will take place.

Cleaning and Maintenance of Haversacks.

344. Haversacks will normally be cleaned with one of the approved types of cleaner supplied by the N.A.A.F.I.

Soap and luke-warm water may be used for cleaning soiled haversacks, but in such cases it is essential that haversacks are subsequently reproofed by a thorough application of an approved cleaner.

Soda or scouring powders must not be used in the cleaning process, nor must the water used be uncomfortably hot to the hand.

Mud can be brushed off easily when the haversack is dry and oil stains are best removed by a prolonged application of a paste made from an approved cleaner.

The approved cleaner will be of one standard shade which approximates to that for paint, P.F.U. khaki, green, No. 3.

Necessary simple repairs involving only re-stitching, including the replacement of metal parts by restitching, also the replacement of whipcord, should be undertaken by the unit locally, where practicable. Authority is given in **Appx. 39** for the issue of certain components to effect such repairs.

Patching or anything which may interfere with the existing pattern of the haversack, such as an alteration to the partition, must not be undertaken by units (except as authorized in para. **327** (*g*)).

Care of the Respirator.

345. In the interests of economy and efficiency it is important that the instructions for the care of the respirator, laid down in the Manual of Protection Against Gas and Air Raids, should be strictly complied with. Particular attention in this connection is drawn to the instructions with regard to the treatment of respirators in store.

CHAPTER 12.—WIRELESS, SIGNALLING, SEARCHLIGHT, RANGEFINDING AND TELEPHONE EQUIPMENT

A.—SIGNALLING EQUIPMENT

346. Supplies will be issued in accordance with the several sections of E.R., Part 2.

347. Cable, electric, " D " class, which may become deficient owing to wastage incurred in jointing, cutting out of joints, etc., will be certified as expended on training and written off charge in the Store Account.

348. The contents of a box, stationery, telegraph equipment, unit B, other than for R. Signals units, are as detailed in **Appx. 71.**

349. *Maintenance of Generators, B.*—No spare parts will be supplied for the maintenance of generators, B, which are used on telephone sets, F, switchboards, U.C., and remote control unit, B, and they will be replaced when defective by complete generators (less handles).

The replaced generators (less handles) will, on return to the R.A.O.C., be repaired in R.A.O.C. workshops if expendable material (*e.g.*, screws, nuts, terminals, etc.) is available for the purpose, but, when no such material is available, the unserviceable generators will be broken down and the parts utilized for subsequent repairs to other generators.

350. The folds of apparatus, aerial, signalling are liable to stick after storage ; to obviate this, " chalk, french " will be used and units will arrange provision as follows :—

(*a*) R. Signals units in possession of apparatus, aerial, signalling.	From the allowance for Vote 8 consumable stores.
(*b*) Other units in possession of apparatus, aerial, signalling.	From the miscellaneous stores allowance of units.

B.—OPTICAL AND OTHER INSTRUMENTS

351. Supply will be made in accordance with the several sections of E.R., Part 2. Reference to the repair of these instruments is made in **Appx. 33.**

C.—INSPECTION OF TELESCOPES AND BINOCULARS

352. Telescopes and binoculars held on charge for signalling and reconnaissance work under E.R., Part 2, Sections I and II, will be inspected annually by instructors in musketry or by signalling officers. For instructions for inspection and testing, *see* Regulations for Preservation of Artillery Equipment.

The report of inspection is to be made for the information of the G.O.C., and no reference need be made to the War Office unless the inspection shows that equipments appear to be defective in design, in which case proposals to remedy defects should be submitted in the usual way.

D.—TELEPHONE EQUIPMENT

353. Unserviceable telephone sets, D., Mk. III, as and when available, are allowed for instructional purposes in the proportions shown below :—

	For each
Cavalry regiments	1
Cavalry divisional signals—	
Headquarters	1
Each cavalry brigade troop	1
Divisional signals—	
Headquarters	2
Each F.A. brigade section	1
Each infantry brigade section	1
Artillery brigade signal section	1
Artillery batteries (all natures)	1
Infantry battalions	1
Signal training centre	10

E. BATTERIES

354. *Batteries filled with electrolyte—preparation for transport.*

The batteries will be given a special charge before despatch and the filler caps screwed down tightly. As soon as possible after arrival the batteries will be put on charge and be given a prolonged slow charge. Any electrolyte that has been spilled in transit will be replaced with electrolyte. If evaporation only has taken place, distilled water will be added. Instructions given on the instruction labels will be closely followed. Batteries must only be despatched filled with electrolyte when it is reasonably certain they can reach their destination and receive a charge within three weeks from the date of last charge before despatch.

355. *Spare batteries, unfilled and uncharged.*

Batteries, if unfilled and uncharged, will remain in that state during transport by sea. Batteries which have already been rendered active will be treated as in para. **354.** On arrival at destination, batteries in the dry condition will be filled with electrolyte and charged at a slow rate as and when required.

F.—INSPECTION OF WIRELESS, SIGNAL AND SEARCHLIGHT EQUIPMENT BY O.M.Es. AND C.I.E.S.S.

356. (*a*) A technical inspection of the following classes of stores will be carried out annually by O.M.E.s :—

All wireless and signal stores, and searchlight equipment (projectors, mobile generating sets, sound locators, etc.) on charge of all Regular Army and T.A. units and in R.A.O.C. charge.

(*b*) In addition to the above 100 per cent. inspection, an annual inspection of the same classes of stores on charge of units in home commands will be held under arrangements to be made by the C.I.E.S.S., who will communicate direct with commands regarding the dates of inspection and the detailed arrangements connected therewith.

(*c*) C.I.E.S.S's. inspection will normally be limited to 20 per cent. of the equipment on charge, but he may, if he considers it desirable, extend this up to 100 per cent. of one or more types of equipment in order to report on specific features.

CHAPTER 13.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING

357. Tools and stores for the instruction of Regular Army units of cavalry, artillery, engineers and infantry, in military engineering, will be supplied in the manner and in the proportions detailed below.

TOOLS FOR INSTRUCTION IN FIELD WORKS

Tools which form part of the peace equipment of units will in all cases be utilized. They will, in the case of the units mentioned below, be supplemented by additional tools to be obtained from the following sources :—

Royal Engineer Units

(*a*) *Railway and Anti-Aircraft Searchlight Companies*

Additional tools as considered necessary will be issued from stocks held by the C.R.Es. at Aldershot and Longmoor.

(*b*) *Fortress Companies and 58th (Porton) Company*

Additional tools, as detailed in **Appx. 43**, Table 1, will be temporarily issued from stock in R.E. or R.A.O.C. general charge, or from the approved reserve held at the station for local defence scheme.

Stores temporarily issued from local reserve should be carefully overhauled immediately on the conclusion of each season's peace training and replaced in that reserve, any which have become unserviceable being exchanged at once.

All used articles returned for storage with local reserves must be thoroughly cleaned by the unit by which they have been used for peace instruction, the cutting edges of tools placed in good condition and all metal articles or metal portions of articles greased.

Tools forming part of the local reserve must not on any account be used for general purposes in peace. Picks and shovels required for general barrack use will be drawn and held on inventory ; when required for general use in camp, they should be indented for with other camp equipment.

Infantry Battalions

Pickaxes, billhooks and shovels may be issued as detailed in E.R., Part 2, Section 1.

Any tools other than those mentioned above would have to be improvised on active service and should therefore be improvised for instructional purposes during peace.

STORES FOR BRIDGING, MINING, WATER SUPPLY, AND FIELD ENGINEERING

Details of the sets of stores allowed for these purposes are contained in **Appx. 43, Table 2,** as under :—

(A) Pontoon Equipment Sets.
(B) Assault Bridging Sets.
(C) Unit Construction Sets.
(D) Stock Span Sets.
(E) Miscellaneous Bridging Equipment Sets.
(F) Model Bridge Sets.
(G) Wiring Sets.
(H) Water Supply Sets.
(I) Communications Sets.
(J) Demolitions Sets.
(K) Tubular Scaffolding Sets.
(L) Mining Sets.

The number of sets allowed include sufficient for the training of all army units within the command.

All bridging spars and ropes will be tested annually in the manner prescribed in **Appx. 49.** A testing and weighing machine is held on R.A.O.C. charge in each command for issue on loan when required.

In the case of bridging spars and ropes which are used at outstations for instructional purposes only, and which are not required to carry any live loads beyond the actual working numbers required to span small gaps, a visual test, to be carried out annually by a regular R.E. officer, may be substituted for the full test. This officer will have authority to cut out any defective portion, or to condemn any individual ropes or spars ; care must be taken, however, that any equipment that under this paragraph is subjected only to a visual test is marked or segregated so as to safeguard against its use at collective training.

The stores for bridging, mining and railway purposes will be held on charge by the C.R.E., who will make arrangements for instruction to be imparted with the aid of these stores ;

will allot ground and issue the stores in such manner as the G.O.C.-in-C. may direct; and will apply for transport for moving the stores from one station, or unit, to another, as required.

358. Spars and other suitable timber for bridging or mining purposes, planks, hutting poles, handrails, miners' sheeting and miscellaneous N.I.V. articles, whether for the use of the regular forces or for the instruction of R.E. units of the Militia, the Supplementary Reserve, the Territorial Army, or the O.T.C., will be provided either by hire, purchase or issue from Vote 10c stocks.

The annual expenditure in this connection will not exceed the sums notified from time to time in A.C.Is.; unexpended balances will not be carried forward.

Arrangements for purchases, hirings or issues from Vote 10c stocks will be made under the instructions of the C.R.E. Bills will be classified to Vote 10 C (*f*).

EXPENDABLE STORES

359. Expendable stores other than those referred to in para. **358** may be obtained for instruction in military engineering by issues from army stocks, local purchase or hire, up to the total amount admissible annually under **Appx. 43**, Table 5, for the various units in each command. The detailed administration of the allotments within commands will be made by the G.O's.C.-in-C., who will appoint allotment holders and make such arrangements as may be considered necessary to ensure that the stores are utilized to the best advantage.

The stores obtained will be chargeable against Votes 8 or 9, as appropriate, without restriction subject to the total annual allotment not being exceeded. Any balances of allotments on 1st April will lapse.

CHAPTER 14.—TOOLS FOR ARMOURERS, ARTIFICERS, WORKSHOPS, AND VOCATIONAL TRAINING

A.—ARMOURERS AND ARTIFICERS TOOLS

360. Armourers boxes with the tools and materials detailed in **Appx. 6** will be supplied to units to which armourers are attached and will be held on equipment ledger charge.

When worn out by fair wear and tear, or expended in the repair of service arms and bicycles, they will be replaced at the expense of the public.

361. Should an armourer require, for service purposes, tools not included in the set referred to in para. **360**, he will, as far as possible, make or improvise them.

Materials for such small services will usually be available in regimental workshops, but failing that source of supply, an indent for the necessary material, accompanied by an explanation of the circumstances under which it is required, will be submitted to the R.A.O.C.

Should the work in hand necessitate the employment of special tools which, having regard to the expense involved and the quantity of work to be performed, it is not desirable to make or improvise regimentally, such tools will be obtained from the R.A.O.C. on loan.

362. During peace, additional tools, as detailed in **Appx. 6**, Table 5, may be obtained on loan from the R.A.O.C. when required for the use of armourers of cavalry regiments and infantry battalions at home.

When units are stationed at a distance from an ordnance depot, the tools may be held on permanent equipment ledger charge on the authority of the G.O.C. On change of station the tools will be returned to the R.A.O.C. unless the G.O.C. approves of their being handed over to the relieving unit.

363. Os.C. units are responsible that the gauges supplied for the use of armourers attached to units are verified by the R.A.O.C. annually, or oftener if the armourer is doubtful as to their accuracy, with the reference gauges held at ordnance depots where armourers shops are established.

The gauges of circuit armourers will be similarly verified.

364. The tools of unit armourers will be inspected under the direction of an A.I.A. during quadrennial inspection of arms.

365. Instructions for packing armourers tools and spare parts of small arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, or Bermuda.

366. At home stations, one set of tools for the repair of bicycles, as detailed in **Appx. 6,** Table 4, will be issued during peace for the use of armourers of cavalry regiments and infantry battalions.

In the case of other units which have a minimum of six bicycles to be kept in repair, one set of tools will also be issued during peace for the use of military tradesmen or artificers capable of using them; or in the absence of such men, for the use of soldiers on the strength of the unit who are in possession of the certificate referred to in para. **483** or have passed a qualifying trade test.

On mobilization being ordered, these tools will be placed in the "Bag, armourers, bicycle" which is stored with mobilization equipments. For the contents of the bag, *see* **Appx. 7,** Table 1.

Units having a minimum of six bicycles in the war establishment will be allowed bags, armourers, bicycle, and sets of tools for the repair of bicycles, on the following scales:—

1 bag and 1 set of tools for 6 to 23 bicycles.

2 bags and 2 sets of tools for 24 to 40 bicycles.

3 bags and 3 sets of tools for over 40 bicycles.

367. Tools supplied for the use of armourers and artificers are not to be employed for private purposes.

368. Lists of general service tools are detailed in Vocabulary of Army Ordnance stores, Section F and in "Tools—Detail of Sets."

For the scale of issues of forges and farriers tools, *see* **Chapter 10.**

Tools special to artillery, engineers, and other services are detailed in the various sections of E.R., Part 2.

369. A set of pioneer equipment is issued for each household cavalry regiment and for each squadron of cavalry of the line. The detail of a set is shown in E.R., Part 2, Section II.

B.—TOOLS FOR MILITARY WORKSHOPS AND VOCATIONAL TRAINING

370. Tools for pioneer workshops will be provided and maintained at the unit's expense out of workshop funds (*see* King's Regulations).

371. Tools for vocational training centres will be provided and maintained under arrangements notified annually by the War Office to the centres.

372. In addition to the tools issued under para. **371,** sets of tools may be supplied to units shown in the table below, at the public expense, under the special sanction of the G.O.C. in each case, and subject to the following conditions:—

(*a*) That there are qualified tradesmen to use them.

(*b*) That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the G.O.C.; and on the understanding that the unit so returning them will be charged with the difference between their original cost and actual value at the time of their receipt into store.

(*c*) That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.

(*d*) That articles worn out or lost are paid for at full vocabulary rates, a reference to credit being made on the indent for their replacement.

	Batteries of Horse, Field, Light, Medium or Heavy* Artillery.	Regiments of Household Cavalry or Cavalry of the Line.	R.A. (Coast Defences).	R.T.R. Battalions	Battalions of Infantry.
Bags, tool, filled—					
Bricklayers and masons	—	1	—	—	1
Chests, tool, filled—					
Carpenters	1	—	—	—	—
Wheelers ...	—	1 †	2 ‡	—	1 †
Painters and glaziers ...	—	1	—	1	1
Plumbers and gasfitters	—	1	—	—	1
Blacksmiths	—	1	1 ‡	1	1

* Heavy batteries of the 1st Heavy Brigade, R.A. only.

† A grindstone, field service, for use with this chest will be separately indented for, charged, and accounted for.

‡ For each coast defence command at home, or station abroad; but other chests or increased supplies of above, may, under special circumstances, be authorized for instruction, on the approval of the War Office.

373. C.Os. will direct an inspection of the tools issued under para. **372** to be made quarterly, and will certify in the ledgers in which they are brought on charge that this service has been performed.

374. Tools issued to the R.A. (Coast Defences) under para. **372** will be accounted for by a H.Q. and D.E. or heavy battery to be detailed :—

At Home. By the O.C. R.A. in the coast defence command.

Abroad. By the O.C. R.A. at the station.

375. Tools for trades will not be allowed under para. **372** to Guards and Rifle depots.

CHAPTER 15.—EDUCATIONAL STORES

376. Drawing instruments for educational purposes will be allowed to units in the following proportions :—

(*a*)	Command headquarters, for every 500 other ranks, exclusive of establishments dealt with under controlled store expenditure regulations and those referred to below	set 1
(*b*)	School of Education, Shorncliffe *	„ 4
(*c*)	Cavalry regiment...	„ 1
(*d*)	Regiment, R.A.	„ 1
(*e*)	Infantry battalion	„ 1
(*f*)	R.T.R. battalion ... ... •	„ 1
(*g*)	A.F.V. school †	„ 1
(*h*)	Cavalry depot	„ 1
	R.A. Depot, Woolwich	„ 3
	Guards Depot	„ 2
	Rifle depot	„ 1
	Infantry depot	„ ½
	R.A.S.C. Depot, Feltham	„ 1
	R.A.O.C. Depot, Hilsea	„ 2
	Depot, Corps of Military Police	„ ½
(*i*)	Training Battalion, R.E.	„ 1
(*j*)	R.A.O.C., Bramley	„ 1
(*k*)	R.A.O.C., Didcot	„ 1
(*l*)	S.T.C., Catterick	„ 2
(*m*)	Aden	„ ½
(*n*)	Bermuda	„ ½
(*o*)	Ceylon	„ 1
(*p*)	Hong Kong	„ 1
(*q*)	Shanghai	„ 1
(*r*)	Tientsin	„ ½
(*s*)	Egypt	„ 2
(*t*)	Gibraltar	„ ½
(*u*)	Jamaica	„ ½
(*v*)	Malaya	„ 1
(*w*)	Malta	„ ½
(*x*)	Mauritius	„ ½
(*y*)	Palestine	„ 1

* 15 additional boards, drawing, instructional, allowed.
† 100 additional compasses, drawing, instructional, allowed.

377. The composition of a set of drawing instruments is as follows :—

Boards, drawing, instructional	5
Compasses—	
Drawing, instructional, Mk. III (or II)	50
Prismatic, Mk. IX (or VIII)	5
Dividers, instructional	25
Protractors—	
Rectangular, 6-in., ivorine, A, Mk. IV (or III) ...	25
Semi-circular, celluloid, 6-in.	10
Set-squares, celluloid—	
6-in., 45° (or 6-in. 45°, instructional)	10
8-in., 60°, instructional	10
T-squares, 24-in., instructional	5

378. Drawing instruments for educational purposes will be allowed to the Depot Battalion, R.E., on the following scale :—

Boards, drawing, instructional	30
Compasses, drawing, instructional, Mk. III (or II) ...	85
Dividers, instructional	35
Protractors, semi-circular, celluloid, 6-in.	50
Set-squares, celluloid—	
6-in., 45° (or 6-in., 45°, instructional)...	50
8-in., 60°, instructional...	50
T-squares, 24-in., instructional	30

379. Drawing instruments will be allowed for instructors in gunnery at command headquarters of the Eastern, Northern, Scottish, Southern and Western Commands on the following scale :—

Boards, drawing, double elephant	1	
Compasses, beam, 26-in., Mk. II	1	
Covers, web, plane table, Mk. II	1	
Instruments, drawing, G.S., Mk. III (or II) ...	set	1
Rulers, parallel, common, 6-in.	1	
Rules, sight, 18-in., Mk. II (or 16-in.)	1	
Scales, math.—		
No. 11	1	
No. 12	1	
Straight edges, 48-in., Mk. II (or I)	1	
T-squares, 45-in.	1	
Tables, plane, portable, Mk. II	1	
Tripods, plane table, portable, Mk. II	1	

CHAPTER 16.—MISCELLANEOUS STORES

380. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter-bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the allowance for miscellaneous stores granted by the Allowance Regulations.

381. Flags on motor cars and for mounted orderlies authorized by King's Regulations, 1940, para. 988, will be provided locally by the R.A.O.C.

*** 382.** Sticks, bayonet fighting (ash or bamboo sticks), for instruction in the use of bayonet and sword, will be provided locally by the R.A.O.C. The following sums are allocated annually to commands, stations, etc., for this service :—

	£
Commands at Home	
Eastern, London District	35
Northern...	30
Scottish	20
Southern	35
Western	10
Districts at Home	
Northern Ireland	10
Stations, etc., Abroad	
Bermuda	3
Ceylon	3
Egypt	15†
Gibraltar	8†
Jamaica	5
Malta	10
Mauritius	3

Bills will be classified to Vote 9.C.

* Suspended for the duration of the war.
† Purchase of sticks within this amount will be arranged by D.D.O.S. upon receipt of demand.

383. Boxes, intelligence, for use by intelligence sections of headquarters formations and units during peace and in war will be held as detailed in **Appx. 69.**

384. Thermometers, survey, are authorized for issue to the undermentioned units for the purpose of adjusting the specific gravity of electrolyte and thus guard against undue deterioration of batteries, secondary, portable.

Malaya Command

R.E.	16
R. Signals	2
R.A.O.C.	4

385. Drawing instruments, as detailed in **Appx. 37,** will be supplied for use in General staff offices.

386. Drawing materials and instruments, as detailed in **Appx. 59,** will be supplied for the use of the O.M.E. at each station when a draughtsman is not employed.

387. Drawing instruments, as detailed in **Appx. 38,** will be supplied for use in the headquarter office of the A.A. Command, T.A.

388. Instructions for the issue of material for camouflage training are contained in **Appx. 42.**

In order to ensure that the stores drawn are used to the best advantage, arrangements will be made for pooling by brigades, etc., as may be found convenient.

389. Stores for assault courses for bayonet training and small arms training will be supplied as detailed in Small Arms Training, Vol. V.

390. Old woollen or old linen material required for cleaning purposes, in addition to the free issues authorized by regulation, may be obtained from the R.A.O.C. on payment, when the quantities required can be spared from local stock. The rates to be charged will be those notified in the half-yearly statements. The cost of transport must be borne by the purchasing unit.

391. Boxes, clothing, will be issued, in the proportions laid down in **Appx. 44,** for the purpose of storing certain articles of clothing, etc., as directed in Clothing Regulations. The boxes will be returned to store prior to departure of the unit overseas.

392. One foot of wick will be issued by the R.A.O.C. with each oil-burning lamp or lantern, except those issued to R.A.S.C. for barrack services and for those issued to complete mobilization equipments.

393. Illuminants and wick for issue on mobilization for use with lamps, etc., in war equipments of units, will be on the scale authorized in **Appx. 47.** They will not be held with mobilization equipments during peace.

On mobilization, commands will make arrangements to meet unit's requirements which are essential before embarkation.

Inflammables will not be shipped ; surpluses will be handed over to the R.A.S.C. either before leaving place of mobilization or at the port of embarkation, as necessary.

Replenishment will be made by the R.A.S.C., on indent, at the port of disembarkation or in the transit area.

394. Unserviceable ground sheets may be issued to every unit, up to 10 per cent. of its peace strength, for use during wet weather by fatigue and working parties. The sheets will he held separately on equipment ledger charge.

395. (1) Machines, or hand-clippers, for clipping animals will be allowed in the following proportions :—

Clippers, horse	1 each mechanized R.A. brigade when concentrated. 1 each machine, horse clipping. 1 every 8 animals or less for units with an establishment of 14 animals or less, except mechanized R.A. brigades, when concentrated.
Clippers, horse hogging ...	1 each mechanized R.A. brigade, when concentrated. 1 every 50 animals or less for units with an establishment of 15 animals or more except cavalry regiments and R.A. units in Egypt and infantry battalions in Egypt and Khartoum South. 2 every 50 animals or less for cavalry regiments and R.A. units in Egypt and infantry battalions in Egypt and Khartoum South.

Machines, horse clipping (*a*)	1 each mechanized R.A. brigade, when concentrated.
	1 every 15 animals or over up to 100 plus 1 machine for every additional 100 animals or less, except cavalry regiments and R.A. units in Egypt and infantry battalions in Egypt and Khartoum South, and mountain batteries, Hong Kong Brigade, H.K.S., R.A.
	1 every 50 animals or less for cavalry regiments and R.A. units in Egypt and infantry battalions in Egypt and Khartoum South, 1 each battery headquarters and 1 each section, for mountain batteries, Hong Kong Brigade, H.K.S., R.A., only.
	1 for infantry brigade, Malaya.
Knife heads—	
Plates, top (spare) ...	3 each machine.
,, bottom (spare) ...	3 each machine.
Links, chain	4 each machine.
Lamps, singeing	1 every 50 animals or less.
Wicks (spare)	1 each lamp.
Oil, M.80, pints	1 each horse-clipping machine per annum.
Grease, M.T. (*b*) lb. ...	2 each horse-clipping machine per annum.
Petrol (*b*)	Not exceeding 3 pints for each singeing lamp per annum. (If petrol is not available, paraffin will be issued in lieu ; the lamp is capable of burning either.)

(*a*) Where electric clipping machines are installed, they will be replaced, when worn out, by hand-clipping machines.
(*b*) R.A.S.C. supply.

(2) Care should be taken to remove as much dirt as possible from the coats of animals before using either machines or hand-clippers, otherwise the knives are speedily blunted and rendered useless.

Frequent lubrication of the clipping heads and chains of the machines when in use is vital to easy working and efficient cutting.

Whilst the machine is running, the front edge of the clipping head must be dipped in oil, rangoon, for preference, every few minutes. Absence of proper lubrication not only makes the machine run hard, but sets up undesirable friction between top and bottom plates of the clipping head, destroys the temper of the plates, and renders them unserviceable prematurely.

The same destructive effect is produced if the tension nut is screwed down too hard ; on the other hand, if the nut is too slack, hair will work its way between the knives and cause them to pull or drag ; the tension should be just sufficient to admit of the hair being cut.

The knives are " dead hard " ; they are consequently brittle, and will break easily. After clipping, the knives must be wiped dry and smeared over with oil, or the teeth will become rusty and require sharpening.

(3) After each animal has been clipped, the chain must be removed from the flexible shaft and well smeared with grease all over. The presence of grease on the upper end of the chain is not sufficient ; it is at the lower end, where curved and bent, that grease is most required.

Liquid lubricants must not be used for the chain ; paraffin oil must not be used on any part of the machines.

(4) It is important that units should always be in possession of serviceable knives for the horse-clipping machines. Steps should be taken by units to forward immediately to the R.A.O.C. any knives which require regrinding.

(5) Machine clippers must not be employed for the purpose of keeping down hogged manes.

Instructions for setting up and operating the horse-clipping machines are issued with the machines. Care should be taken to ensure that these instructions are rigidly observed.

396. Horsekillers and ammunition for use in training and in standing practice camps, etc., will normally be obtained on loan from veterinary hospitals and pharmacies.

When these stores cannot be spared from authorized scales in veterinary hospitals and pharmacies, additional stores may be drawn from the R.A.O.C. on the authority of the G.O.C.

They will be returned when no longer required.

397. Slings, horse, sea transport (Cat. No. DA 1936) for the instruction of troops in slinging horses for embarkation, will be held as training stores by units with animal transport, etc.

398. Consumable stores for veterinary purposes will be issued in accordance with the table below, on the indent of the veterinary officer, countersigned by the administrative veterinary officer concerned. The issue voucher upon which they are charged will be signed by the veterinary officer only.

Designation.	Money value limit to which stores may be drawn annually for every 100 public riding or draught animals.
Section D1	
Bandages, horse	
Rubbers, horse	
Skins, sheep *	
Section H1	
Corks, assorted	
Soap, carbolic	
,, soft, grade II	
,, yellow	
Soda, Ash	
Section H2	£ s. d.
Linen, unbleached	5 0 0
Sacking, jute, 30-in.	
Tow, jute	
Twine, packing	
Old Stores	
Flannel, old (for fomentations)	
Numnahs, old (for foot swabs)	
H.M.S.O. supply	
Paper, brown, common (for packing) ...	
,, white, fine (for balls)	
Pins, mixed	

399. Fringes, browband, will be issued on the scale of one for each animal in fly infested areas, when considered necessary by the senior veterinary officer.

* For saving horses from galls.

SOAP

400. An initial issue of one piece of soap will be made by the R.A.O.C. to every soldier and auxiliary of the A.T.S. entitled to a free kit of necessaries under the Clothing Regulations, and will be kept up at his/her own expense, except as otherwise provided in para. **401.**

401. For war, in areas where active operations are in progress, soap may be issued free to officers, other ranks, and officers and auxiliaries of the A.T.S. as required, within the fortnightly scale of 1/5th of a bar (reputed 3-oz. piece) provided that the G.O.C.-in-C. is satisfied that purchase by individuals from canteens or traders is impracticable.

402. Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

403. Supplies of service pattern soaps may be obtained from the R.A.O.C. for issue on payment to officers, warrant officers, N.C.Os. and men for the use of themselves and their families. The cost of transport will be borne by the unit or establishment to which the soap is consigned by the R.A.O.C.

The soap will be accounted for in the equipment ledger and written off charge on A.F. P 1925. In the case of issues to officers and their families A.F. P 1925 will be enfaced by the paymaster with a reference to the account in which credit has been given to the public. In the case of issues to soldiers and their families, the amounts recoverable from soldiers will be credited to the public at form 3 of the company account, supported by A.F. P 1954. The A.F. P 1925 by which the soap is written off charge will show the total quantity, price and value of the soap issued. It will not be sent to the paymaster, but the enfaced copy of A.F. P 1954 returned to the unit by the paymaster will be attached to it.

Soap soda caustic (or soda crystals) and floor polish required by units and establishments for their own use may similarly be obtained from the R.A.O.C.

The materials will be accounted for in the equipment ledger, and credit at the published rates for the quantities expended given on A.F. P 1925. The cost of transport will be borne by the consignee.

PADLOCKS

404. An initial issue of the following will be made to each recruit finally accepted, for use as indicated :—

Padlocks, iron galvanized 1½-in. — For securing soldier's box, locker or wardrobe.

Supplies of the above will be obtained from the R.A.O.C.

405. In workshops where personnel handle paraffin or disoleum fuel a protective cream will be issued on the scale of 2-oz. each man every week for use as a guard against industrial dermatitis.

CHIROPODY INSTRUMENTS

406. Chiropody instruments are a medical supply and are issued on the scale of one case of instruments to each dismounted unit with a qualified chiropodist. They will be indented for on A.F. G 997, rendered in duplicate, to the War Office (A.M.D. 3) through the D.D.M.S., A.D.M.S., or S.M.O. of the command, and will be held on equipment ledger charge by the unit concerned.

The instruments will be inspected annually on 1st January by a medical officer appointed by the D.D.M.S., A.D.M.S., or S.M.O. of the command.

Replacements of stores lost or rendered unserviceable will be dealt with in accordance with the general procedure laid down in paras. **109** to **111,** with the exception that demands for replacements will be sent to the War Office (A.M.D. 3).

All repairs will be dealt with in accordance with Regulations for the Medical Services of the Army.

PONTOONS—CARE AND MAINTENANCE

407. Instructions for the care and maintenance of pontoons are detailed in E.R., Part 2, Section 10A.

DEFENCE ELECTRIC LIGHTS AND A.A SEARCHLIGHTS—STORES FOR. GLASS REFLECTORS —PRECAUTIONS FOR PRESERVATION OF

408. Instructions for maintenance of Defence Electric Lights and A.A. Searchlights are contained in E.R., Part 2, Section 12A.

409. The precautions to be adopted for the preservation of glass reflectors in A.A. Searchlight projectors from copper drip are as detailed in E.R., Part 2, Section 10A.

PHOTOGRAPHS OF ARTILLERY STORES AND TEXT-BOOKS

410. A supply of photographs of selected artillery stores will be made as required to the Artillery Schools of Instruction and Military College of Science, for instructional purposes. Indents stating particulars of the photographs required should be submitted to the C.I.A., Woolwich, in the first instance.

411. Handbooks will be issued as laid down in E.R., Part 2, Sections 11 and 12.

CINEMATOGRAPH STORES, OPTICAL LANTERNS AND SLIDES AND PHOTOGRAPHIC STORES

412. Cinematograph stores, epidiascopes and kindred instruments, optical lanterns, slides, etc. are supplied by the R.A.O.C. and no purchases of these stores will be made without prior War Office authority.

Optical lanterns are authorized to be held by commands as detailed in **Appx. 35,** and an allowance for their maintenance will be notified in A.C.Is. from time to time.

Instructions for their manipulation are contained in **Appx. 36.**

Instructions for earthing cinema projectors, epidiascopes and optical lanterns are contained in **Appx. 73.**

INFLAMMABLE AND OTHER DANGEROUS STORES —STORAGE AND CONVEYANCE

413. Instructions for the storage and conveyance of inflammable and other dangerous stores, and for the marking of packages and documents connected therewith, are contained in **Appx. 48.**

STORES FOR TRAINING OR TESTING MEN FOR TRADE CLASSIFICATION

414. Stores and materials required for training or testing men for trade classification under the direction of command testing boards will be issued as necessary. Normally issues will be made direct by the R.A.O.C.

Stores outside the scope of the Vocabulary of Army Ordnance Stores will be obtained from the R.E. and the cost charged to Vote 10C. by the D.C.R.E. of the sub-area in which the training or testing is carried out.

OUTFITS, FIRST AID—FOR TANKS AND ARMOURED CARS

415. Outfits, first aid, for tanks and armoured cars, as laid down in **Appx. 60,** are authorized on a scale of one outfit for each tank or armoured car.

Indents will be submitted in triplicate, on A.F. I 1209 for (*a*) the initial supply or necessary components, to the Under-Secretary of State (A.M.D.3), The War Office, through the D.D.M.S., A.D.M.S. or S.M.O. of the command, and (*b*) items to replace contents expended, to the O.C. the nearest military hospital. The tube of morphia tablets in vulcanite container will be held at the military hospital and added on mobilization.

The outfits will be accounted for in the equipment ledger of the unit concerned.

All outfits will be inspected annually during January by a medical officer appointed by the D.D.M.S., A.D.M.S. or S.M.O.

UNSERVICEABLE EQUIPMENT AND ACCOUTREMENTS FOR USE IN LIEU OF PERSONAL EQUIPMENT DURING TRAINING

416. Unserviceable items of web equipment, detailed in **Appx. 64,** are for use by personnel (for whom authorized) in place of the personal equipment during periods of training. The use of this " U " equipment will enable the personal equipment to be maintained at the standard required for guards, ceremonial parades, etc. Unserviceable items will be marked as such by the R.A.O.C. before issue and will not be regimentally marked on receipt by units.

OUTFITS, FIRST AID—GENERAL, SMALL

417. Outfits, first aid, general, small, for A.A. searchlight detachments, as laid down in **Appx. 61** are authorized on a scale of one outfit for each searchlight.

Demands will be submitted in triplicate on A.F. I 1209 for (*a*) the initial supply or necessary components, to the Under-Secretary of State (A.M.D. 3), The War Office, through the D.D.M.S., A.D.M.S. or S.M.O. of the command, and (*b*) items to replace contents expended, to the O.C. the nearest military hospital.

The outfits will be accounted for in the equipment ledger of the unit concerned.

All outfits will be inspected annually during January by a medical officer appointed by the D.D.M.S., A.D.M.S. or S.M.O.

418. Cans, petrol, 2-gallon, may be issued, as required, up to a maximum of 100 to each unit in possession of " A " vehicles for draining and storing petrol from the fuel tanks of their " A " vehicles.

419. Stores for local artillery survey courses will he held by the Eastern and Scottish commands as detailed in **Appx. 70.**

DECONTAMINATION IN THE FIELD

420. Ointment, anti-gas, No. 1, for use in connection with decontamination in the field will be held on the following scale :—

Service.	Proportion. War only.
Each officer, member of Q.A.I.M.N.S. and man ...	4 oz.
Pistols, revolver	(*a*)
Rifles and bayonets	(*a*)
Rifles, A.T. (Boys)	8-oz. each.
Machine guns—	
Bren	
Lewis	
Vickers	
Mortars—	
2-in.	
3-in.	
Unit Reserve—	
Personnel	100 per cent. (*b*)
Weapon	10 ,, (*b*)

(*a*) To be taken from the 4 oz. carried by the officer or man.
(*b*) To be carried in unit transport in 2-oz. tins.

OUTFITS, FIRST-AID—GENERAL, LARGE

421. Outfits, first aid, general, large, for M.T. vehicles, as laid down in **Appx. 62** are authorized on a scale of one outfit for every ten vehicles other than tanks and armoured cars (or searchlight detachments) in peace only.

Indents will be submitted, in triplicate, on A.F. I 1209 for (*a*) the initial supply or necessary components, to the Under-Secretary of State (A.M.D.3), The War Office, through the D.D.M.S., A.D.M.S. or S.M.O., of the command, and (*b*) items to replace contents expended, to the O.C. the nearest military hospital.

The outfits will be accounted for in the equipment ledger of the unit concerned.

All outfits will be inspected annually during January by a medical officer appointed by the D.D.M.S., A.D.M.S. or S.M.O.

PASSIVE AIR DEFENCE—EQUIPMENT

422. The scales of equipment authorized for personnel employed on P.A.D. services are detailed in **Appx. 65.**

The number of sets issuable to each unit or establishment will be as recommended by the commander of the area in which it is situated.

CHAPTER 17.—REPAIR AND PRESERVATION OF EQUIPMENT

A.—GENERAL INSTRUCTIONS

423. On completion of the annual training, C.Os. will cause a special examination to be made of all equipment with a view to any article requiring repair being put in a serviceable condition at the earliest possible moment. Particular attention will be given to signalling, field telephone, machine gun, and reconnaissance equipment, to respirators and to vehicles.

424. C.Os. will not allow or pay for the performance of any work in connection with repair, authorized conversion or overhaul of equipment for which there is no regulated provision, without previous authority being obtained, at home from the War Office, and at stations abroad from the G.O.C.

425. Except when otherwise specified in these regulations, the repair and painting of all stores that can be performed by the military tradesmen will be executed by them, under the superintendence of their C.O., free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase. This paragraph is no authority for the issue of components, etc., not in authorized scales (*see* para. **29**).

426. The allowances of materials for miscellaneous stores and the painting of vehicles are laid down in **Appx. 30.**

For allowances of materials for equipments, vehicles and miscellaneous stores special to any unit *see* the appropriate section of E.R.

The rates and conditions of issue of working pay, when admissible, are laid down in the Pay Warrant.

The vehicles in possession of Foot Guards and R.A.S.C. companies stationed in London may be painted half-yearly. In the case of other units, if vehicles require painting more than once a year the authority of the G.O.C. must be obtained for the issue of materials.

The repainting of vehicles, etc., should be limited to patching and one coat of paint.

427. The services of the military tradesmen will, when the duties of their own unit permit, and at the discretion of the G.O.C., be made generally available for performing any work

which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with military tradesmen, or requiring additional assistance in exceptional circumstances.

428. When repairs cannot be executed by the military tradesmen at the disposal of a unit, an indent on A.F. G 1045 will be rendered in triplicate to the A.D.O.S., who will arrange for the performance of the work. This course need not be followed in the case of accoutrements (*see* para. **497**).

The entries on each indent (A.F. G 1045) will be limited to the number of jobs which can be included on one sheet, and a separate indent will be rendered for each "A" or "B" vehicle.

The W.D. registered number (or, if this does not exist, the maker's name and number) of any of the stores detailed in **Appx. 4** will be inserted on the indent.

When articles sent in for repair are of such a nature that their temporary withdrawal would be detrimental to the training of the unit, a note will be made in red ink on the repair indent to the effect that the stores are required for training; the actual date they are required will invariably be stated.

When stores requiring repair are returned to the R.A.O.C., the packages in which they are contained will be clearly marked "Stores for repair," and the detail of such packages will be entered on the relative A.F. G 1045 so that they can be identified readily for return to the unit with the repaired stores.

No repair indent will be marked urgent without a full explanation of the urgency being given in the column of remarks.

429. Stores requiring modification in R.A.O.C. workshops will not be sent to R.A.O.C. depots until called in by the O.C. of the workshop.

430. In the event of undue delay in the return of equipment sent to Government factories for repair a special report should be made by the G.O.C., to the War Office, on the subject.

431. Whenever any service in connection with gun mountings, machinery, engines or gear used exclusively by the R.A. and R.A.O.C. is beyond the resources of the corps concerned, application should be made to the R.E. for assistance.

432. Whenever repairs, painting or other services, involving the grant of working pay or payments to contractors, are required in connection with the equipments of a unit, an indent, on A.F. G 1045 in triplicate, accompanied by a certificate that the work cannot be performed by soldiers who are already paid as military tradesmen, will be made by the C.O. on the A.D.O.S. The nature of the work to be performed, and the cost at which it could be carried out by troops receiving the authorized rates of working pay or by local contract, will be stated.

The officer making the repair indent will then be informed of the manner in which the service should be performed; and if it be decided to employ soldiers who are not already paid as military tradesmen, he will, on the completion of the service, certify on the original repair indent that the work has been carried out efficiently. The original repair indent so certified will then be attached to the working pay list as a voucher in support of payment.

433. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded. In the absence of specific War Office or other special authority, no purchase of materials by C.Os. will be sanctioned by G.O.C., except in special cases which should be reported for covering approval.

434. In order to regulate the expenditure of material for repair and of consumable articles, A.Bs. 43, 281 and 282 (or 283), will be carefully kept by the units concerned, the ledgers being balanced yearly, on the last day of February.

Stock will be taken every six months by an officer deputed by the C.O., and compared with the quantity received and the amount expended. The result will be reported to the C.O., who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible and recovered on A.F. P 1963.

The above-mentioned books, also A.F. G 3927 so far as R.A.O.C. stores used in repair of M.T. vehicles are concerned, will be examined once in two years by the A.D.O.S. of the area, or by officers deputed by him to act on his behalf, not with a view to making a detailed audit, but with a view to determining whether the regulations have been properly carried out.

The regimental storekeeper will examine A.B. 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

When units proceed to India, or Burma, A.B. 282 or 283 will be balanced and forwarded to the A.D.O.S.

These instructions do not apply to the R.A.S.C. M.T. establishments, Feltham, for which a special system of accounting has been approved.

435. Materials supplied for purposes of repair will not, except under special authority, be used for the manufacture of new articles.

436. On indents for materials for repairing equipment, C.Os. will certify that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with those on hand, do not exceed the authorized proportion.

B.—ORDNANCE ARTILLERY CARRIAGES, AMMUNITION WAGONS, ETC.

437. The following parts of ordnance and their carriages, ammunition wagons and limbers, and other vehicles, when in use, will be kept clean, free from paint and rust, also lubricated or oiled where necessary :—

Breech mechanisms ; clinometer planes ; guides of guns, howitzers, and slippers ; cradle guideways ; joints and bearings ; exposed working parts of gears ; frictional surfaces ; metal handwheels ; handles of steel handwheels ; levers, pawls, ratchets ; range, elevation and traversing indicators with their pointers ; brass parts which are much handled ; ends of draught poles ; linch pins and ends of exletrees not provided with dust caps ; drag washers ; brake wheels.

All other parts will be painted, except that, in the case of ordnance—other than those of fixed armaments in coast defences and those with front clinometer planes—the portion protected by the muzzle cover need not be painted. Should the paint become chipped or worn off it must be renewed.

The use of coarse abrasive materials, such as sand, emery or bathbrick, for cleaning or removing rust from clinometer planes and wearing parts, particularly of gears and breech mechanisms, is strictly prohibited. For such parts, paraffin oil and cotton-waste only may be used.

Where the cleaning of bright parts of gears and breech fittings (other than wearing parts) proves difficult owing to corrosion or rust, finest grade emery may be used for this purpose.

Straps and other leather work should be periodically dressed with dubbin.

438. In order to keep O.M.Es. informed of the condition of armaments and of the repairs thereto carried out by R.A. artificers, a copy of the entries in A.B. 281, made by the senior R.A. artificer (fitter), will be forwarded each week to the A.D.O.S. of the area or district, by the O.C. battery, sub-district, or brigade (in the case of brigade artificers), who will note on the return any matter of importance concerning equipments to which it is considered that the attention of an O.M.E. should be drawn.

The rendering of this report in no way relieves Os.C. batteries from being responsible for the condition of their equipments.

C.—SMALL ARMS, MACHINE GUNS AND BICYCLES

I. GENERAL

439. Before any firearm is examined or repaired, etc., it must be ascertained that the weapon is unloaded. Whenever live ammunition is found in a weapon under examination, etc., the fact must immediately be brought to the notice of the C.O. of the unit and the ammunition transferred to the magazine.

In no circumstances will live cartridges be taken into a workshop or other building used for examination or instructional purposes.

440. Repairs to small arms, machine guns, mountings and bicycles will be carried out by qualified armourers with units, circuit armourers, and in suitably equipped R.A.O.C. workshops.

No work will be put in hand if the small arm, etc., has not been examined recently with gauges, unless all the necessary gauges are available.

No work will be undertaken which in itself requires the use of gauges unless the gauges are available.

In accordance with the above general rules the repairs detailed in **Appx. 16** will not be undertaken in R.A.O.C. workshops, or by armourers with units, or by circuit armourers.

Repairs to small arms and machine guns of an experimental nature or of a design not in general use in the service, will not be carried out by the R.A.O.C. without special authority. Unserviceable components of such arms will not be brought to produce or otherwise disposed of without previous reference to the War Office or C.I.S.A.

Repairs excluded by the general rules, not specified in **Appx. 16** will not be undertaken without reference to the C.I.S.A.

At home stations, in cases of doubt, small arms, machine guns, etc., can be submitted to the travelling examiners of the Inspection Department by special arrangement with the C.I.S.A.

441. The arrangement for inspection and repair of small arms, machine guns, mountings and bicycles in the case of units not provided with an armourer (*see* **Appx. 15**) does not relieve C.Os. from responsibility for their care and repair.

Should repairs be required between the periodical inspections, the C.O. will apply to the S.O.M.E. who will arrange for the execution of the repairs, either by detailing an armourer to visit the unit or by having the damaged small arms, machine guns, mountings or bicycles sent into the ordnance depot for repair, whichever course may be most convenient and economical.

Arrangements will be made by C.Os. for general supervision of the work of the armourers to ensure that it is properly carried out.

442. Should a C.O. doubt whether small arms or machine guns of any description under his charge are serviceable, he will report the matter, stating the reasons for his opinion; the question will be dealt with by the G.O.C., the C.I.S.A. being referred to.

443. When damaged small arms, machine guns, mountings, bicycles, or components are ordered to be sent for special examination, labels stating the circumstances will be attached to them, giving a reference to the War Office or other orders under which they are sent. A copy of the proceedings of any board or court of inquiry which may have been held regarding them will accompany the vouchers.

444. When materials are required for the repair of small arms and machine guns, the O.C. a squadron or company will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The O.C. will subsequently satisfy himself that the repairs have been executed.

445. When in store, and also when packed for transmission other than by sea, the exposed surfaces of steel of small arms of all natures (except bayonets, swords and steel sword scabbards in mobilization store—*see* para. **257**) and the unpainted surfaces of steel of machine guns, their spare parts and tools, will be covered with a thin coating of a mixture consisting of equal parts, by weight, of red mineral jelly and oil, M.80. Thick coatings must not be applied owing to the difficulty of removal.

The woodwork of rifles will also be wiped over lightly with the mixture.

Red mineral jelly only will be used for swords and steel sword scabbards.

In cold weather the mineral jelly, or mixture, must be warmed until it becomes liquid.

When packed for shipment overseas, red mineral jelly only will be used for both small arms and machine guns, and will be more freely applied.

The bores of rifle, pistol, and machine-gun barrels will be similarly treated, the preservative being warmed as necessary until it becomes thin. The exterior of machine-gun barrels will be coated with the preservative in a cooler condition.

The chambers of rifles and revolvers will be coated with the preservative in an unheated condition.

For method of applying the preservative, *see* **Appx. 55.**

446. Fabric materials, such as linen, cotton (including flannelette, etc.), or woollen rag, must not be employed as a direct wrapping for small arms, machine guns or mountings, or for plugging the ends of steel parts, such as barrels, etc., owing to their tendency to absorb moisture from the atmosphere, and so cause the formation of rust. The use of brown paper as a direct wrapping is forbidden as this also is liable to rust the metal.

447. Testing weapons of any kind in charge of troops is strictly forbidden. This does not apply to local firing tests, for accuracy (*see* para. **169**), and as authorized by Small Arms Training and Machine Gun Training. (*See also* para. **460.**)

448. Tampering with the mechanism of service weapons is strictly prohibited. Any damages so caused will be charged against the troops.

At rifle meetings, adjustments to competitors' rifles may be carried out by competent civilian armourers if the services of a regular armourer are not available.

449. The small arms, machine guns and mountings in possession of units or detachments abroad will be examined by the unit armourer quarterly (*see* **Appx. 15**). Should it not be practicable for the work in connection with units and detachments not provided with armourers to be undertaken by the R.A.O.C., the G.O.C. will detail a regimental armourer to perform the necessary inspection, repair and re-browning. In such a case the unit providing the armourer will also provide the necessary materials, which will be obtained from the R.A.O.C. in the proportions laid down in **Appx. 10.**

450. Barrels of rifles sentenced and reported "rusty, to be cleaned by armourer" will be marked "R" on the knox-form; and barrels of rifles found cord-worn (if not thereby rendered unserviceable) will be marked $\overset{*}{W}$ on the left side of

the knox-form at the rear end of the reinforce if the wear is at the breech, and at the front end if the wear is at the muzzle. Such barrels will not again be reported for rust (except when their condition necessitates cleaning in the R.S.A.F., Enfield Lock) or cord-wear at subsequent inspections.

451. Stars in front of the knox-form of barrels of rifles, and on the left-hand side of the top strap of pistols, denote that the trace of a cut or of rust may be found inside the barrels. Stars on other positions of small arm or machine-gun barrels denote that a trace of exterior rust pitting exists in the region of the star.

No charge will be made against the troops at subsequent inspections for such cuts or rust.

These markings will be carried out by the C.I.S.A., A.I.A. when on tour, or in R.A.O.C. workshops.

II. SMALL ARMS

452. Oil and material for the cleaning and preservation of small arms are supplied to all units in possession of small arms in the proportions detailed in **Appx. 10.** Units provided with an armourer will also be supplied with the implements, stores, and browning mixture required for repairing and browning small arms in the proportions detailed in **Appx. 10.** Materials for less than one quart of the browning mixture will not be supplied to home stations, nor for less than one gallon to stations abroad.

Instructions for the care, repair, browning, etc., of small arms are contained in the publication Instructions for Armourers.

453. Rifles in use will have the furniture treated with raw linseed oil.

The oil will be applied by the soldier once a month to the outside of the fore-end, butt, and handguards of the rifle, in the following manner :—

1. Remove all dust and dirt by wiping well with a dry rag.

2. Apply a small quantity of raw linseed oil to the woodwork and rub it well into the wood, care being taken to keep the oil away from the metal parts.

3. Allow the rifle to stand for approximately three hours and then wipe off all superfluous oil with a clean dry rag.

Oil, linseed, raw, will be demanded by units concerned to the scale laid down in **Appx. 10, Table 9.**

454. When a unit requires components in excess of the authorized allowance, the O.C. will furnish an explanation of the cause. The matter will be dealt with by the G.O.C. under para. **5,** and in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. (*See also* para. **493.**)

455. When the components expended by circuit armourers are in excess of those allowed by the scale in **Appx. 10,** the S.O.M.E. will call on the O.C. the unit for an explanation, and the matter will then be dealt with in the manner indicated in para. **454.**

456. Butts, fore-ends, and handguards supplied for the repair and maintenance of No. 1 D.P. rifles are marked D.P. and will not be used for the repair of rifles other than D.P.

Serviceable components other than butts, fore-ends, and handguards will be used for the maintenance of D.P. rifles, provided that the cost is unlikely to exceed cost of factory repair with D.P. parts, plus cost of transport to and from R.S.A.F., Enfield Lock.

457. When browning of any components of rifles is carried out as the result of inspection by C.I.S.A.'s examiners, two sets of components (exclusive of barrel with body ; inner band, etc.) will be considered equivalent to one rifle. Two barrels with body ; inner band, etc., will also be considered equivalent to one rifle.

458. To enable the armourer to perform the service of browning small arms, he will receive assistance from men of the unit for such periods as may be certified by the C.O. to be actually necessary.

459. When new rifles have been issued to units, and the bayonets and scabbards which were in use with the returned rifles have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the bayonet and scabbard components in the following proportions :—

Fuel	$\frac{1}{6}$	of the material referred to in **Appx. 10, Table 8.**
Browning material	$\frac{1}{8}$	

460. At stations abroad where the necessary apparatus is held by the R.A.O.C., the tests of bayonets as described in Instructions for Armourers, will, when necessary, be carried

out by the R.A.O.C. These small arms are to be tested only when there is doubt regarding their serviceability. Periodical testing is not to be resorted to, as frequent bending destroys the serviceability of the blade.

461. Cross-pieces, pommels, edges of tang and exposed ends of grip screws and nuts of bayonets with polished blades, and the lockets and chapes of scabbards issued to regular units (except depots and heavy batteries R.A., Ceylon) as part of their peace equipment, will be polished by units, and kept so polished during peace. Bayonets issued to depots which form part of their peace equipment, will be polished in R.A.O.C. workshops before issue.

In order to facilitate the polishing of bayonets by units, the grips will be reduced by armourers to make them flush with the surfaces of the metal parts. The removal of grips, when necessary, will be carried out only by armourers.

The normal rubbing down of the ends and edges of the grips, in course of time, due to the polishing of the surfaces of the metal parts, will not render the grips unserviceable.

462. Where possible rifles, especially service rifles, will be kept in store in racks.

When bolts of rifles and cylinders of pistols are ordered to be stored separately from their arms, arrangements will be made for their easy identification when required for issue. They will be kept in packages of 10 or 20, and each package will be marked with the bay or chest in which the rifles or pistols to which they belong are stored.

463. Oil M.80 will be used for lubricating actions and cleaning small arms in store.

464. Rifles in store will be cleaned and re-greased, both internally and externally, once every 12 months in the manner indicated in para. **445.**

Care will be taken that the stock is cleaned and lubricated in rotation. A label showing the date of last cleaning and lubrication will be attached to each rack or chest.

Where rifles are stored in racks having plugs, or holders, or where the plugs or holders fail to protect the barrels from the air, the bores of the rifles will, at home stations, be protected by a clot of red mineral jelly placed in the muzzle of the rifle. At stations abroad the clot will be composed of equal parts of red mineral jelly and beeswax.

465. When small arms are stored in chests, the latter will be distinctly marked with their contents and will contain a packing note (A.F. G 1028).

466. In addition to the general and continuous care of arms in accordance with para. **464,** 10 per cent. of all small arms in store (including mobilization equipment other than bayonets—*see* para. **257**) will be examined annually by an armourer.

Rifles so examined will also be re-greased between fore-end and barrel. For this purpose red mineral jelly will be used at home stations, whilst at stations abroad two parts red mineral jelly will be mixed with one part beeswax before application.

If the inspection of 10 per cent. indicates that arms are deteriorating, steps will be taken to accelerate the examination and lubrication of the remainder.

467. The stripping of any part of a small arm, including D.P., except by an armourer, an officer qualified at a Small Arms Technical Long Course, or by a warrant officer or N.C.O., or man in possession of a certificate granted by either the C.I.S.A. or the Military College of Science, is strictly forbidden.

468. Damaged small arms which are beyond repair by the unit or circuit armourer will be returned to the R.A.O.C.; serviceable arms, if required, being demanded in replacement.

469. Small arms requiring only repairs which are within the capacity of unit armourers to effect will not be returned to the R.A.O.C. unless circumstances render it impracticable for the former to carry them out. Where such arms are returned to the R.A.O.C. they must be accompanied by a certificate signed by the C.O. that the circumstances were considered to justify the action. This provision is not to be taken to cover any neglect of duty on the part of an armourer, and should repairs be sent to the R.A.O.C. unnecessarily the C.O. will be held responsible for any costs incurred.

III. MACHINE GUNS AND MOUNTINGS

470. Materials for cleaning and oiling machine guns and their mountings will be supplied in the proportions allowed in **Appx. 12.**

471. Materials, which will be replaced when necessary, will be allowed to each store in which machine guns are kept or dealt with. These materials are detailed in **Appx. 12.**

472. (1) Spare parts for the repair of machine guns and mountings may be issued annually in the proportions detailed in **Appx. 10, Table 10.**

(2) Other spare parts and tools are issued as part of the machine-gun equipment.

(3) Contents of the following (for machine guns) are detailed in **Appx. 18.**

Bags—
Armourers, M.G., Mk. I
Spare parts and tools, M.G.—
Hotchkiss, ·303-in.
Lewis, ·303-in.

Boxes—
Battalion spares—
Bren, ·303-in. M.G., Mk. I
Lewis, ·303-in., M.G., Mk. I
Spare parts and tools, M.G.—
Besa, 7·92-mm., M.G., Mk. I
Besa, 15-mm., M.G., Mk. I
Vickers, ·303-in., M.G., Mk. II
Spares, M.G.—
No. 1, Mk. I (Emergency spares)
No. 2, Mk. I (Maintenance spares)
No. 3, Mk. I (Emergency spares)

Cases, spare parts and tools, Vickers, ·303-in., M.G., Mk. I**

Holdalls, Lewis, ·303-in., M.G., Mk. I

Packs, spare parts and tools, Besa, 7·92-mm., M.G., Mk. I

Wallets—
Bren, ·303-in., M.G., Mk. I
Lewis, ·303-in., M.G.—
No. 1
No. 2
Vickers, ·303-in., M.G., Mk. I

The contents of the spare parts box (or bag) are not to be drawn upon until the components of the machine gun and the annual allowances authorized by sub-para. (1) have been used. When articles are withdrawn from the spare parts box (or bag) indents will be put forward for their replacement at once.

473. A list of the stores for the maintenance of—
(*a*) machine guns ;
(*b*) machine gun mountings ;
(*c*) smoke dischargers.

also spare machine guns, rifles and their appurtenances, which will be carried in unit transport vehicles of A.F.V. units, is shown in **Appx. 19.**

474. The allowances of materials for painting machine guns, magazines, mountings, Rifles, Boys, Mortars, M.L., etc. and also the parts to be painted, are shown in **Appx. 11.**

475. To ensure that machine guns and mountings are kept in readiness for immediate service, they will be examined periodically, as in **Appx. 15,** by an armourer or by an armament artificer who has been through a machine gun course at the Military College of Science, and any necessary repairs which can be done locally will be carried out.

When an armourer or armament artificer is not available, the service will be carried out under arrangements to be made by the S.O.M.E.

476. The browning of machine guns will, where necessary, be carried out by armourers under the same conditions as small arms.

If the materials authorized for small arms under **Appx. 10,** Table 8, are insufficient to provide for the re-browning of the machine guns also, additional quantities as necessary may be approved for issue under para. **5.**

For units where an armourer is not normally attached, re-browning will be carried out by circuit armourers.

Trigger guards and magazines of Lewis machine guns will not be re-browned owing to the presence of the fixed wood grips in the former, and the necessity for stripping the latter for such purposes, but they will be painted.

477. The stripping of machine guns, except by an armourer, apart from that permitted in para. **170** and the normal stripping necessary in order to replace any of the spare parts issued with the gun, or for cleaning purposes, as laid down in Small Arms Training, Machine Gun Training and the Handbook for the Vickers ·303-in. Machine Gun, is strictly forbidden.

IV. BICYCLES

478. Government bicycles are to be used only on military duty or service connected with military requirements. C.Os. will be responsible for the proper care and preservation of service bicycles by soldiers or others under their command.

*Padlocks, bicycle, and chains will be issued with all bicycles supplied for cyclist orderlies. They will be obtained on indent from the R.A.O.C. for this purpose and will be considered part of the equipment of the bicycle. When not in use for chaining the bicycle they will be carried in the tool bag.

479. In order to fix the responsibility for loss or damage, C.Os. will arrange for a unit record of the transfer of bicycles between individuals to be kept as shown in **Appx. 9.**

* In abeyance for the duration of the war.

480. When a bicycle is allotted for the common use of orderlies, the O.C. unit will cause a particular soldier to be detailed to look after the bicycle, and it will be part of the duty of this soldier to report in writing at the end of each day any damage or loss which has occurred to the bicycle, whether caused by himself or any other person.

481. Materials for lighting, cleaning and preservation will be issued to all units in possession of service bicycles in the proportions detailed in **Appx. 7, Table 2.**

482. Units in possession of service bicycles may maintain a stock of components and materials for repair of the bicycles held on peace charge. These will be accounted for in accordance with paras. **107** and **434.** No one article must exceed two shillings in value, and the total value of such stock must not exceed ten shillings for each bicycle on charge.

Indents for the maintenance of these stocks will be submitted to the A.D.O.S. as directed in para. **30.** When extensive repairs are necessary and the stock of components is inadequate to meet requirements, intermediate indents will be submitted.

Only such components as are supplied by the R.A.O.C. will be used in the repair of service bicycles; local purchase by the R.A.O.C. is prohibited, except in the case of items so detailed in the Vocabulary of Army Ordnance Stores, which will be purchased locally by units on the authority of the A.D.O.S.

483. In units without armourers the repairs to bicycles will be carried out by warrant officers, N.C.Os., or men of the unit who are in possession of a certificate granted by the C.I.S.A. or by the Commandant, Military College of Science, as having passed a course of instruction in the repair of service bicycles.

Repairs beyond the capacity of the unit will be arranged for by the R.A.O.C.

When the services of such warrant officers, N.C.Os., or men are available, soldiers called upon to ride bicycles will, whenever possible, be previously instructed in the correct method of effecting adjustments and minor repairs.

484. In addition to the periodical inspections by the R.A.O.C., Os.C. units will arrange for all bicycles on peace charge to be inspected weekly by an officer, in order to ensure that the bicycles are properly cleaned and cared for, and that all deficiencies and serious damages are duly investigated at once and the responsibility for them fixed.

485. The result of the officers' inspections and of any subsequent investigations arising from them will be entered

week by week in a log book (*see* **Appx. 8** for specimen page) to be kept for that purpose, and signed each week by the officer making the inspection.

The book will be produced for inspection during the visit of the A.D.O.S., or his representative.

V. INSPECTIONS

486. Small arms, machine guns, mountings and bicycles in the hands of troops at home and abroad will be inspected as shown in **Appx. 15.**

With regard to the quadrennial examination carried out by C.I.S.A. and R.A.O.C., each command will normally be divided upon a geographical basis into four circuit areas.

Northern Ireland will constitute a separate circuit area.

Programmes for C.I.S.A.'s inspection will be prepared by him in collaboration with the command concerned. Current inspection by the R.A.O.C. will take place throughout the circuit area wherein inspection was made by the C.I.S.A. two years previously. In order, however, that the correct period lapses between successive inspections, commands will forward copies of the programmes of the R.A.O.C. inspections to C.I.S.A.

487. In order that a complete record of the quadrennial inspections by C.I.S.A. and R.A.O.C. may be maintained the following procedure will be followed:—

(*a*) D.Ds.O.S. will keep a record of all quadrennial inspections carried out in their command.

(*b*) On the arrival of a unit into a command the D.D.O.S. will ascertain the date of the last quadrennial inspection of the unit's arms, and notify C.I.S.A.

(*c*) A return, detailing all quadrennial inspections carried out by them during the year will be prepared by the A.I.As. and forwarded by them to the D.D.O.S. of their command for transmission to the C.I.S.A., to reach the latter by the second week in January in each year.

488. A.I.As. will also visit units in each command in those circuit areas not due for current inspection by either the R.A.O.C. or the C.I.S.A., to ensure that authorized repairs are being carried out by regimental and circuit armourers and that any serious defects are being brought to notice.

489. C.I.S.A.'s examiners, when inspecting arms of units without armourers, will be provided with such components

of small arms and machine guns as they may require to enable replacements to be effected during inspection.

Repairable small arms and machine guns will be noted by them for repair in R.A.O.C. workshops and unserviceable articles noted for exchange.

On completion of each tour, C.I.S.A. will forward a statement to the D.A.D.O.S. of each area showing the components expended in the minor repair of small arms and machine guns of each unit. This will enable the area D.A.D.O.S. to watch that the annual allowance of components is not exceeded without due authority (*see* para. **493**). The statement will also show components which have been utilized to replace deficiencies and which have been included in C.I.S.A.'s charges.

Unserviceable components left by C.I.S.A.'s examiners will be collected and disposed of in accordance with instructions to be obtained from the D.A.D.O.S.

490. The following action will be taken on completion of C.I.S.A.'s examination :—

(*a*) Reports (A.F. C 351) showing condition of small arms, machine guns and mountings examined by C.I.S.A. will be forwarded to the commands. These reports will show condition, damage not due to fair wear (*i.e.* neglect or culpable mismanagement), deficiencies, and also parts not of service pattern, and will state that charges will be preferred by his department in due course.

Differences from authorized equipment scales or from numbers on ledger charge will not be shown.

(*b*) Upon receipt of the report, commands will send one copy to units and will inform units of the damages and deficiencies to be charged against them, and will also inform C.I.S.A. of any action that has been taken to relieve the unit of any charges pending, quoting the relevant authority. Such charges will not be preferred by C.I.S.A. on his claim (A.F. G 838).

(*c*) After the expiration of a period of not less than six weeks from the date on which details of the damages and deficiencies are reported to commands, C.I.S.A. will prepare claims (A.F. G 838) in quadruplicate; two copies, to one of which will be attached a demand slip (A.F. P 1921), will be sent to the unit from which the payment is due. The third copy will be sent to the paymaster of the command in which the unit is serving, and the fourth copy will be retained by the C.I.S.A.

(*d*) After the despatch of the claims it will not be competent for the commands to write off any of the damages or deficiencies included therein. The claims must be paid in full, and, should good cause exist for an objection thereto, a refund may be applied for under para. **110.** When payment has been received the paymaster will endorse the third copy and retain it as a voucher to his account. He will also enface the second copy (bearing the demand slip) with a reference to the account in which credit has been given, and return it to the C.I.S.A.

(*e*) Where it is claimed by a unit that the articles shown as deficient have been recovered, the command should furnish to the C.I.S.A., within the period of six weeks referred to above, a certificate (to be signed by the C.O. personally) that the unit has the articles in question in a complete and serviceable condition.

491. The rules for assessing charges for damages and losses of small arms, machine guns, mountings and bicycles are laid down in para. **115.**

492. The O.C. unit will subsequently forward a certificate to the C.I.S.A. through the A.D.O.S. of the area, to the effect that the repairs and replacements indicated as necessary in the reports, have been carried out.

493. When a unit requires components in excess of the authorized allowance and such components are required in connection with C.I.S.A.'s examiners' inspection, the C.I.S.A. will enumerate the excess components on his report to the command, and will also state, when necessary, if there appears to be reason for charging the unit with their cost. (*See also* para. **454.**)

494. On completion of the quadrennial inspection the A.I.A., or, in his absence, the senior circuit armourer, will forward his report (A.F. C 351) in duplicate to the A.D.O.S., who will forward one copy to the O.C. the unit concerned.

495. Circuit armourers will be supplied in advance by the O.O. with small arm, machine gun, mounting and bicycle components, including tyres, estimated to be required for their repair.

Components of bicycles will be issued to the circuit armourer on loan. Other components will be written off charge in the R.A.O.C. accounts by expense voucher.

On completion of tour, the circuit armourer will produce lists of the components expended on each unit, supported by the certificate of the C.O. that he is satisfied that the quantities are correct. These lists will be used to check further issues against the annual scale.

Bicycle components will then be struck off to the unit on A.F. G 982, and the unexpended balance of other components will be brought on charge by certificate voucher, the O.O. satisfying himself that the balances are correct.

496. Following R.A.O.C. inspections under para. **486**, similar action to that laid down for C.I.S.A. will be taken, and claims will be preferred by the responsible officer concerned.

D.—ACCOUTREMENTS, STEEL HELMETS, HARNESS AND SADDLERY, AND MISCELLANEOUS

497. The accoutrements of units will be repaired by the saddlers of the unit where such are borne on the strength. Where no saddler is borne on the strength of a unit, the repairs will be carried out by such persons as may be directed by the C.O., provided that he is satisfied that the work will be performed efficiently. (*See* para. **428.**)

For this service, when performed by soldiers not in receipt of tradesmen's rates of pay, the under-mentioned sums will be allowed annually for every 10 (or less) sets of accoutrements in use :—

	s.	d.
(*a*) Units of R.A. (equipped with new pattern web equipment, R.A.)	0	7
Units of R.E. (equipped with web equipment)	0	6
Units of R. Signals	0	5
Cavalry armoured car regiment	0	5
Company, tank battalion and armoured car unit	0	5
Company of infantry	0	7
Infantry depot	0	7
Company or detachment of R.A.M.C. ...	0	5
Depot of R.A.M.C.	0	5
Units of R.A.S.C. (Transport and Supply)	0	5
R.A.O.C. Depot, company or section ...	0	5
(*b*) Coast defence units, R.A., local batteries, R.A., and Bermuda Militia Artillery ...	0	10

These allowances are intended to cover the repair of all the items included in the personal equipment of the soldier, whether buff, black, brown or web, or any combination of these.

In addition to the above, depot batteries of R.A. will be allowed ½*d.* per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

For the units in possession of web equipment, referred to at (*a*) above, tools will be allowed as detailed in **Appx. 21, Table 6,** and waxed thread will be provided out of this allowance. For the units referred to at (*b*) both waxed thread and tools will be provided out of the allowance.

498. The allowance for the repair of accoutrements will be claimed quarterly, in arrear, on 1st January, 1st April, 1st July, and 1st October, and will be calculated on the annual basis laid down in para. **497** and the number of days the unit was without the services of a saddler during the quarter, *e.g.* the annual allowance for the number of sets on charge will be multiplied by a fraction, the numerator of which is that number of days and the denominator the number of days in the year. The claim will be supported by a certificate signed by the C.O. that, for the period for which allowance is claimed the unit was without the services of a saddler and that the man by whom the work was performed was not in receipt of tradesman's rates of pay.

The claim should be preferred on A.F. P 1900. It should state to which man's account the allowance should be paid, and will be charged in Form 3 of the battery or company pay and mess book.

499. The articles allowed for the repair of accoutrements will be supplied by the R.A.O.C.

500. The repair of the metal work will be part of the ordinary duty of the armourer, or smith, where one is available.

501. The use of oxalic acid or other injurious materials for cleaning accoutrements is strictly forbidden. Such parts of black accoutrements as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used.

502. When brown leather accoutrements require to be cleansed from dirt they should be washed with plain cold water and hung up until they are about half dry.

"Composition, brown" should then be applied to both sides of the leather, but preference should be given to the

grain or smooth side. The articles should then be hung up until they are thoroughly dry, when a brush or cloth should be used for finishing and polishing.

In many cases it will be found that a thorough brushing will be sufficient to clean the leather before greasing—and only the dirtiest of the articles should be washed. An application of "Composition, brown" once a month will, in ordinary circumstances, be found sufficient.

Packs and haversacks when in a dirty and greasy condition should be washed (scrubbed) with soap and warm water (*not hot water*) inside and outside. The articles should be well rinsed in warm water after washing. When the articles are only slightly dirty a good brushing will suffice.

"Composition, brown" may be drawn annually in the proportions detailed in **Appx. 21**, Table 5.

503. (1) Materials for the repair of bandolier and web equipment may be drawn in the proportions detailed in **Appx. 21**, Tables 1 and 3. and for web equipment, pattern 1937, as in **Appx. 21**, Table 4.

(2) Water-bottles requiring repair will, in the case of—

(*a*) R.A. units ... ... R.E. units ... ... R. Signals units ... ... Cavalry regiments ... ... Cavalry armoured car regiment ... Tank battalions ... ... Armoured car companies ... Infantry battalions and depots ... R.A.S.C. companies ... ... R.A.O.C. companies or sections ...	Be repaired by regimental artificers. Materials for repair will be supplied in the proportions laid down in **Appx. 21**, Table 2.
(*b*) All other units, Schools of Instruction, etc.	Be sent to the nearest ordnance depot for repair.

(3) Materials for the repair of other accoutrements will be supplied in the proportions specified in the several sections of E.R., Part 2.

504. Instructions for the repair of web equipment are detailed in **Appx. 21**, Tables 7 and 8.

505. Materials required to replace others lost or damaged by neglect will be charged against the troops.

506. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such

new parts as may be required will be obtained from store and attached by the military tradesmen of units, free of charge. C.Os. will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

507. In cases where the indents for accoutrements to replace unserviceable articles are very large, and where C.Os. consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in para. **506** may be indented for in a complete state.

508. Tampering with steel helmets in any way is strictly forbidden, *e.g.* boring of holes for the purposes of hanging them up, affixing badges, etc. The cost of repairing any damages so caused to steel helmets will be charged against the troops. There is no objection to the painting of regimental badges on steel helmets provided that no expense to the public is incurred thereby.

509. (1) The following scale of paint, etc., is authorized for issue for repainting steel helmets in use :—

		Every 100 helmets.
	Section F	
FA.0539	**Brushes,** varnish or enamel, flat, 2-in.	1
	Section H1	
HA.5681	**Paint,** prepared for use, brown, dark, textured, matt finish (CS.1736) ... ... lb.	6
HA.0315	**Paper,** glass, No. 3 ... ... sheets	5

The stores will be annual supply in all commands except Egypt for which command the allowance will be issued biennially.

(2) The helmet must first be scraped and scoured with glass paper, until it is bright and clean. One thick coat of "paint, prepared for use, brown, dark, textured, matt finish (CS.1736)" will then be applied and stippled before it becomes dry, to give better appearance.

(3) Indentations will be removed from steel helmets as follows:—

Remove lining. Cut and drive out the copper rivet securing the felt disc and remove the disc.

Obtain a sandbag filled with sand; form it into a hollow approximating to the contour of the helmet; lay the helmet

in the hollow; and, with a lead hammer (as an alternative, either a rawhide or wooden mallet may be used) beat out the worst indentations. When this has been done use a soft metal (brass if possible) " dolly " or drift having a slightly bevelled face and drive out the smaller indentations. These are the only tools and material necessary to restore the helmet to its original shape. The felt disc is then riveted in and the lining replaced.

Two rivets, bifurcated for each helmet, and " rivets, copper, plain," will be issued as necessary by the R.A.O.C. on receipt of indents.

When unit armourers are not in possession of the tools mentioned above, they will be improvised locally.

510. The leather attachments of breathing apparatus authorized for home and overseas fire brigades and depots will be preserved by the use of " KUROL ", supplies of which may be obtained from C.O.O. Didcot on indents which will be submitted through normal channels.

The scale of issue will not exceed 1-lb. every six months for each breathing apparatus held on charge.

511. Instructions for the care, preservation and disinfection of musical instruments, and for lapping drum heads, are contained in **Appx. 20**.

512. *The authorized proportions of materials for repair of harness, saddlery and packsaddlery, as detailed in **Appx. 22**, are based upon the average quantities required for the repair of articles which have been some years in use. With new harness and saddlery the same amount of materials will not be required, and in preparing indents C.Os. will indent for only what is actually requisite.

513. Repairs to saddle blankets carried out by regimental saddlers should be done with worsted yarn and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped.

The stitching in all cases should be so executed that the rent, or patch, when repaired, may lie flat.

Torn blankets can generally be repaired without patching; but when material is used, it should, as far as possible, match the blanket.

514. All cuttings from the under-mentioned materials supplied for repairing harness and saddlery, as well as the

* Suspended except for Household Cavalry.

unserviceable parts and material named, will be returned to store as opportunity offers :—

Cuttings from	canvas, cloth, leather, numnahs, sheepskins	Flaps, saddle. Hair, old, horse. Junk, old. Seats, saddle.
Metalwork	copper rivets, saddles, universal. iron and steel (form saddles generally).	

515. Detailed instructions for the care and preservation of harness, saddlery and packsaddlery are contained in **Appx. 25.**

516. Surveying, mathematical, drawing, optical, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly. These instruments are mainly constructed of gunmetal or brass, and are lacquered or otherwise protected; it is, therefore, only necessary to wipe them carefully with a dry soft rag. No great amount of force should be used. To avoid deterioration it is important that these instruments should always be stored in a dry building.

517. In order that the wood hoops of " barrels, cartridge," " barrels, cordite drum," and " barrels, powder," may be preserved against ravage by insects while held in store, arrangements will be made for the hoops to be brushed over with creosote (wood preservative). Two applications will be made at intervals of 24 hours.

518. Articles made of wood, such as the poles of hospital stretchers, helves, panniers, staves, or other stores liable to damage by worms or white ants, will be examined periodically and wiped or rubbed over with mineral oil for preserving wood.

519. Repairs to insulators for cooking containers necessitating the refitting of parts or the fitting of new parts will not be carried out regimentally but will be dealt with in R.A.O.C. workshops.

520. Canvas articles or other textile fabrics showing deteriorated waterproof qualities will be scrubbed with a stiff brush and clean water in order to remove any loose composition as far as possible. They will be dried thoroughly and then given a coating of boiled linseed oil and/or linseed oil composition which will be brushed out on to the material. After the application the articles or materials will be *freely exposed to the air and light* in a cool dry place for not less than seven days, after which they will be given one coat of paint, prepared

for use (of the appropriate service shade), which must be brushed out thoroughly and then allowed to dry for not less than seven days, *freely exposed to the air and light.*

WARNING.—It is important that the articles should be freely exposed during drying, since, if they are folded, there is danger of spontaneous combustion.

The materials allowed are detailed in **Appx. 30.**

521. When torches, electric, of all descriptions using dry batteries are put into a units' store for any length of time, the batteries will be removed and stored separately, in order to avoid corrosion of the metal of the torches.

CHAPTER 18.—MARKING OF EQUIPMENT

A.—GENERAL INSTRUCTIONS

522. Paint and marking ink will be supplied to the various services requiring them, and stamps as detailed in **Appx. 50** for marking clothing, small arms, machine guns and mountings, accoutrements, steel helmets, respirators, harness, saddlery and packsaddlery. The adoption of an unauthorized method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

523. Except as specifically provided for in these regulations, no equipment will receive any indelible corps marks. Should it be found, on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

524. Small arms and accoutrements stored for issue on mobilization will not be marked in peace. After issue on mobilization, outfits of reservists not immediately joining the expeditionary force will be marked with corps marks and consecutive numbers by the unit to which the reservist is allotted. In the case of men who are posted to units immediately joining the expeditionary force, marking will not be carried out.

Those issued to a reservist detailed to join a unit abroad will be marked with the corps mark of the unit to which the man is to proceed and will be numbered from 1 upwards, preceded by the letter R, *e.g.*, R.1, R.2, etc.

If necessary, application will be made to the R.A.O.C. for the assistance of an armourer or other qualified man to mark the arms.

Harness and saddlery issued to, or taken into use by, troops on mobilization will be marked with as little delay as possible with corps marks and consecutive numbers.

The markings detailed above will not be carried out if mobilization is thereby delayed.

525. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks with the exception of extra service accoutrements supplied to units in excess of their peace establishment (*see* para. **537**).

526. Stores issued for drill purposes, other than those specially designed for drill, will be stamped D.P. in addition to any other distinguishing marking considered necessary.

527. Should additional accoutrements be issued to detachments (*see* para. **114**), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read: 01, 02, 03.

528. Marking of equipment will be performed by the unit free of charge, exception being made in the case of the engraving of piccolos and flutes (*see* para. **541**).

529. The paint required for marking baggage (*see* King's Regulations) may be purchased by C.Os. as required, the charge being supported by a certificate stating the number of packages marked.

B.—MARKING ARTILLERY STORES, ETC.

530. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered, in paint, with the distinguishing marks of the unit to which they belong.

531. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, and on all vehicles, will be noted in all reports relating to the repair, alteration and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

C.—MARKING ARMS

532. All small arms, except E.Y., extra service and those for issue on mobilization (*see* paras. **524** and **533**), will be marked with corps marks and consecutive numbers. D.P. rifles in use at depots of regular units will also be marked with corps marks and consecutive numbers, but other D.P. arms will not be so marked. Full instructions as to marks will be found in **Appendices 51** and **53**.

Care will be taken that the marks on the small arms are not too deeply stamped.

533. D.P. or E.Y. rifles, D.P. bayonets and extra service arms are marked as in para. **129**, and no corps marks will be added when they are taken into use by troops, except in the case of D.P. rifles in use at depots of regular units (*see* para. **505**).

534. Small arms issued to units which have their own armourers will be marked regimentally with corps marks and numbers. In the case of small arms issued to units with which the services of an armourer are not available, the corps marks and numbers will be made by the R.A.O.C. before issue, and C.Os. in making indents on the R.A.O.C. will state the particulars of the corps marks and numbers to be placed on the arms.

535. Small arms issued to replace others will be given the numbers of the articles replaced.

D.—MARKING ACCOUTREMENTS

536. All accoutrements, except those for mobilization (*see* para. **524**), and unserviceable items for training (*see* para. **416**), when received by the troops will be marked, before being taken into use, to correspond with the small arms.

537. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks.

538. Accoutrements will be marked as follows:—

Buff and web accoutrements, haversacks, and mess-tin covers	½-in. stamps, marking textiles (*a*) and black marking paint.
Brown or black accoutrements	¼-in. steel stamps, care being taken that the leather is not cut but merely indented.
Enamelled iron water-bottle covers	½-in. stamps, marking textiles (*a*) and paint prepared for use, black, lamp. In centre of that portion of cover not exposed to view when bottle is worn. (Bottles should be worn with cord or chain securing cork towards rear.)
Mess-tins	¼-in. steel stamps. Tins should be well supported by a smooth surface during process of marking. Judgment must be used in delivering blows so as not to cut the metal through. Mess-tins for mounted services will always be stamped on the inside in the centre of the lid and bottom portion.

(*a*) Stamps, copper, inlaid ½-in. will be issued until stocks are exhausted.

Branding accoutrements is strictly prohibited.

In all cases when marking black and brown accoutrements, the stoutest parts should be chosen. Bandoliers should be marked on the bodies, and the pockets on the back loops.

Marking should be done in such a way as to ensure that it is out of sight when the article is worn, *e.g.* on the inside of all articles, and that the article is not damaged thereby and is fit for subsequent issue to other units.

539. The whistles of infantry will be marked on one side of the acorn with the territorial letters, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants of R.E. and R. Signals will be marked in the same manner as their small arms. For the purpose of marking, the steel stamps for metal in possession of units for marking small arms will be employed.

540. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

E.—MARKING MUSICAL INSTRUMENTS

541. (1) Musical instruments will be marked in consecutive numbers, from one upwards, in the manner approved for marking small arms.

(2) This service will be performed in the following manner :—

(*a*) Bugles, drums and trumpets will be marked by armourers with the stamps in possession of units for marking metal articles.

When the services of an armourer are not available with the unit, the marking of these articles will be performed by the R.A.O.C. before issue. In such cases particulars of corps marks and numbers must be furnished by units on the indents for the instruments.

(*b*) Piccolos and flutes will invariably be engraved locally, and if the work is performed by a soldier, ½*d.* a letter or figure shall be admitted as a charge against public funds. No soldier who is in receipt of tradesmen's rates of pay will be entitled to be remunerated from this allowance for the performance of any duties in connection with this service, unless these duties are performed in his own time, in addition to those for which he receives tradesmen's rates of pay. If it is found necessary to employ civilian labour, C.Os. will ensure that the work is performed at the cheapest rate, and a certificate to this effect will accompany the bill when submitted to the command paymaster for payment.

542. The silent drum for practice will be marked on the wood, on the under side, with the same stamps as are used for accoutrements.

F.—MARKING HARNESS AND SADDLERY

543. All articles of harness and saddlery of ¾-in. or more in width will, subject to para. **69**, when received by the troops for peace use, be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

In batteries of artillery the numbering will be by sub-sections, and in the cavalry by squadrons, as in the specimens given below.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers will be placed on saddlery vertically under the corps marks ; and on harness in the same line with, and following corps or sub-sectional marks, as in the specimens given below.

In every case the head-collar will be marked with the number of the horse instead of that of the set.

Royal Horse Artillery

I BTY.	... ...	I Battery.
R.H.A.	... ...	Royal Horse Artillery.
A	... ...	A Sub-section.
4	... ...	No. 4 set of saddlery.
I BTY.	... ...	I Battery.
R.H.A.	... ...	Royal Horse Artillery.
B.3	... ...	B Sub-section. No. 3 single set of harness.

Field Artillery

37. F. BTY.	...	37th Field Battery.
O.1	... ...	Officers' No. 1 set of saddlery.
37. F. BTY.	...	37th Field Battery.
B	... ...	B Sub-section.
1	... ...	No. 1 set of saddlery.
37. F. BTY.	...	37th Field Battery.
B.3	... ...	B Sub-section. No. 3 single set of harness.

Cavalry

L.G.	The Life Guards.
A	A Squadron.
2	No. 2 set of saddlery.
17/21 L.	17/21st Lancers.
B.1	B Squadron. No. 1 single set of harness.

Royal Engineers

2. Co.—R.E.—4 ...	2nd Field Company. No 4 set of harness.
2. Co.—R.E.—4 ...	2nd Field Company. No. 4 set of universal saddlery.
2. Co.—R.E.—O.2	2nd Field Company. No. 2 set of officers' saddlery.

Royal Signals

1. Div.—R. Sig.—4	1st Divisional Signals. No. 4 set of harness.
1. Div.—R. Sig.—4	1st Divisional Signals. No. 4 set of universal saddlery.
1. Div.—R. Sig.—O.2	1st Divisional Signals. No. 2 set of officers' saddlery.

Royal Army Service Corps

R.A.S.C. ... ... R.A.S.C. Training Battalion.

544. The leather work will be marked with $\frac{1}{4}$-in. steel stamps immediately under the W.D. and broad arrow.

545. The ironwork will be marked with $\frac{1}{8}$-in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

546. If, on a transfer of harness or saddlery, any of the sets received are found to bear numbers already on the harness or saddlery on charge, the articles will be re-numbered, either with the numbers of sets transferred from charge or as additions to the establishment.

547. The harness and saddlery issued to infantry battalions will be marked before issue, by the R.A.O.C., according to the principles laid down in para. **543.**

548. Sheepskins, nosebags, corn sacks, saddle blankets and horse rugs will be marked with paint, prepared for use, black lamp, " Stamps, marking textiles $\frac{1}{2}$-in." (*a*), will be used and the marking will be placed immediately under the W.D. store mark.

(*a*) Stamps, copper, inlaid, $\frac{1}{2}$-in. will be issued until stocks are exhausted.

G.—MARKING STEEL HELMETS AND RESPIRATORS

549. Steel helmets, anti-gas respirator facepiece and haversacks, forming part of the personal equipment of officers and other ranks, will be marked as follows :—

Officers

(*a*) Steel helmets, respirator facepieces and haversacks will be marked with the officer's rank and name. The positions and method of marking are stated below.

Other ranks

(*b*) Steel helmets will be marked with the corps mark and the soldier's army number using " Stamps, marking textiles, $\frac{1}{2}$-in."

The position of the marking is as follows :—

Mark of Helmet	*Position*
I	On crown lining and under head band lining. Black paint will be used.
I* } II }	On the inside, dull surface of the black lining ; using white paint.

(*c*) Respirators including those held for reservists at places of joining will be marked as follows :—

(i) *Facepieces.*—The regiment or corps mark followed underneath by the officer's rank and name, or the soldier's army number, will be impressed on a fibre disc using " Stamps, steel, for metal, $\frac{1}{8}$-in." This disc will be secured to the connecting tube in the indentation between the first and second corrugations from the container end, by means of whipcord. The cord will first be passed round the tube and securely knotted without constricting the tube, then the disc will be threaded on to one end, and the ends again knotted. The ends will then be passed each through one of the small apertures of a lead seal and securely knotted in the wide opening. The seal will then be compressed and closed by a press or flat-headed punch. Seal presses will be issued to regimental and corps depots.

Discs for reservists will be marked in peace (as described above), so as to be available for immediate attachment after respirators have been fitted.

(ii) The barring out of any previous marking on the stockinette must not be carried out.

(*d*) *Haversacks* will be marked with the corps mark and the soldier's army number on the inside of the flap, using "Paint, prepared for use, black, marking," and "Stamps, marking textiles, ½-in." (*a*).

550. The stores authorized for marking respirators are contained in **Appx. 39.**

H.—MARKING GUARDS AND RIFLE DEPOT EQUIPMENT

551. In Guards and Rifle depots the small arms and accoutrements (except those stored for reservists) and musical instruments will be marked with the approved regimental initials, followed by the letter D. All other depot markings are shown in **Appx. 51.**

I.—MARKING VEHICLES AND BICYCLES

552. Instructions for marking vehicles and bicycles are given in **Appx. 52.**

J.—MARKING LEWIS ·303-IN. MACHINE GUNS AND EQUIPMENT OF LEWIS AND VICKERS ·303-IN. MACHINE GUNS

553. Lewis machine guns (except D.P.) and certain items of Lewis and Vickers machine gun equipment will be marked regimentally with corps marks and consecutive numbers. Full instructions as to marks and a list of the articles to be marked are contained in **Appx. 51.**

Spare butts of Lewis machine guns will not be marked, but when a spare butt is taken into use on a gun, the disc will be exchanged with that in the butt removed from the gun.

554. Where the services of an armourer are not available for marking Lewis machine guns, C.Os. will take action in accordance with para. **534.**

555. When any of the stores referred to in para. **553** are exchanged owing to unserviceability or to authorized transfer to store or to another unit, the articles issued in replacement will be given the consecutive number of those replaced.

556. When returned to store and found serviceable or repairable, the marking on canvas, web and leather articles will be cancelled with a cancellation mark and with the stamp of the depot. The marking on stencilled articles will be painted

(*a*) Stamps, copper, inlaid ½-in. will be issued until stocks are exhausted.

over. Similar action will be taken by the receiving unit when transfer of serviceable articles from another unit is authorized, except that, in lieu of the depot stamp, the receiving unit will keep a record of the transfer and of the previous corps marking.

K.—MARKING OF CALIBRATION DETAILS ON GUNS AND HOWITZERS

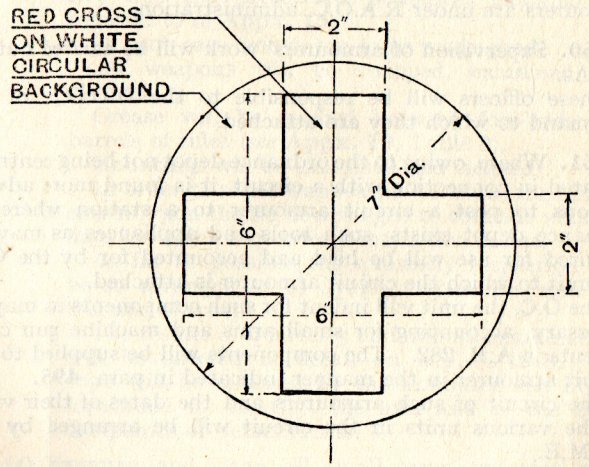
557. Instructions for marking calibration details on guns and howitzers are given in **Appx. 52.**

L.—MARKING OF AMBULANCES AND PANNIERS G.S. WITH THE GENEVA CROSS

558. Markings will be as follows:—

Ambulances, Motor—as laid down in L. of C. A5339.

Panniers, G.S. (For medical units and medical officers attached to units only) as follows:—



Wagons, Ambulance—as laid down in L. of C. A5339 for Ambulances, Motor.

CHAPTER 19.—ARMOURERS—CONTROL OF AND DUTIES

559. Armourers (warrant officers and N.C.Os. of the armourer section, R.A.O.C.) are attached to regiments of cavalry and battalions of infantry, and to such other units as may be specially approved.

They will be responsible to the C.O. for all repairs and work executed by them, and for drawing attention to any neglect of weapons and their equipment.

They will also bring to the notice of the C.O. any failure to submit weapons and their equipment for inspection at the regular periods.

Armourers are also posted to commands for duty at ordnance depots or for employment as circuit armourers. These armourers are under R.A.O.C. administration.

560. Supervision of armourers' work will be carried out by A.I.As.

These officers will be responsible to the D.D.O.S. of the command to which they are attached.

561. Where, owing to the ordnance depot not being centrally situated in connection with a circuit, it is found more advantageous to post a circuit armourer to a station where no ordnance depot exists, such tools and appliances as may be required for use will be held and accounted for by the O.C. the unit to which the circuit armourer is attached.

The O.C. the unit will indent for such components as may be necessary, accounting for small arms and machine gun components in A.B. 282. The components will be supplied to the circuit armourer in the manner indicated in para. **495.**

The circuit of such armourers and the dates of their visits to the various units in the circuit will be arranged by the S.O.M.E.

562. Unit armourers will perform the following duties (with the exceptions and restrictions laid down in para. **440** and **Appx. 16**) :—

(*a*) Execute all repairs and browning required to—

(i) rifles, pistols, swords, bayonets, scabbards, lances ;

(ii) machine guns and mountings (including machine guns and mountings in A.F.Vs.) ;

(iii) bicycles ;

(iv) helmets and chains ;

(v) metal work of accoutrements, saddlery and appurtenances, including the roughing of stirrup irons every third year, or oftener if necessary ;

(vi) muskets and similar articles held on inventory charge of the unit to which they are attached.

(*b*) Execute any trifling repairs and such other work within their capabilities as, under special authority, they may be called upon to perform.

(*c*) Keep in repair the tools in armourers' boxes.

(*d*) Manufacture, when necessary, tools not included in the set detailed in **Appx. 6**, within the limits prescribed in para. **440.**

(*e*) Carry out the prescribed periodical examinations referred to in **Appx. 15.**

In each case defects are to be made good.

All weapons will be stripped, examined and cleaned.

Grease will be applied between fore-ends and barrels of rifles (*see* **Appx. 10**, Table 9).

Mountings will be examined and cleaned.

In order to avoid duplication of work, the annual examination should be arranged to coincide with the date on which a quarterly inspection is due.

As far as possible the quarterly inspection will be so arranged as to avoid interference with the training of troops.

The results of quarterly and annual examinations will be entered in detail on A.F. G 1048. One copy will be retained by the armourer and others forwarded to the O.C. the unit and to the Os.C. companies or detachments.

(*f*) Examine and clean all small arms, machine guns and mountings, and bicycles issued from store before they are taken into use by the troops.

(*g*) Carry out all authorized marking (including drums, bugles or trumpets).

563. Any exceptional or unusual defects found during examinations will be brought to the notice of an A.I.A.

564. Circuit armourers will examine, repair and re-brown, as necessary, the small arms, machine guns, mountings and bicycles of all units not provided with armourers, including units of the Supplementary Reserve, in the districts allotted to them.

565. It is the duty of an armourer not merely to carry out any particular repair to a small arm, machine gun, mounting or bicycle for which it may have been sent to him, but to ensure that the article is serviceable in every respect before it leaves his hands.

566. Armourers are not allowed to make any charge whatever against, or accept payment from, soldiers for work performed on stores held on unit charge.

CHAPTER 20.—MECHANICAL VEHICLES, TRANSPORT BY RAIL AND SEA

Instructions for the preparation for transport by rail, entrainment and detrainment; also preparation for sea transport, embarkation, disembarkation and preparation for use after disembarkation.

567. The objects of the following instructions are to ensure efficient handling and to prevent loss and damage. They will be followed whenever practicable, but, where necessary, they may be modified to suit local requirements, provided always that the above objects are attained.

Where not otherwise stated, the instructions apply to both peace and war, and to all types of vehicles.

To facilitate their execution, the operations are described as nearly as possible in order of sequence.

568. The contents of this chapter contain :—

SECTION 1.—TRANSPORT BY RAIL

1. General.
2. Preparation.
3. Entrainment.
4. Detrainment.

SECTION 2.—PREPARATIONS FOR SEA TRANSPORT

1. Preliminary preparations before despatch to port of embarkation.
2. Final preparations at port of embarkation.

SECTION 3.—EMBARKATION AND DISEMBARKATION

1. Embarkation, peace.
2. Embarkation, war.
3. Disembarkation, peace.
4. Disembarkation, war.

SECTION 4.—PREPARATIONS FOR USE AFTER DISEMBARKATION

1. Preparation.
2. After care.

SECTION 5.—ORDERS FOR AN ESCORT ACCOMPANYING MECHANICAL VEHICLES ON RAIL

SECTION 1.—TRANSPORT BY RAIL

569. GENERAL.

(*a*) *Wheeled vehicles* will proceed by road and will not be sent by rail unless specially authorized ; in the case of motor cycles, however, it may be more economical to despatch by rail.

(*b*) *Tracked vehicles.* " I " tanks and medium dragons will not be transferred a greater distance than ten miles by road unless advantage is gained by doing so. Other tracked vehicles will normally be despatched by rail when the distance to be covered exceeds 50 miles.

(*c*) When vehicles are entrained for eventual embarkation for sea transport, they will be prepared in accordance with the instructions contained in paras. **573** and **574.**

570. PREPARATION. (To be carried out as far as possible before proceeding to the point of entrainment.)

(*a*) *Ordering of wagons and loading equipment.* When the wagons are being ordered, the approximate weight and the length, width and height (after preparation as in paras. (*h*) and (*m*) below) will be given for each vehicle, unless the person on whom the demand is placed has a copy of the pamphlet " Weights, Dimensions, etc., of Vehicles and Artillery Equipments," in which these particulars are shown.

At the same time, the equipment detailed in para. **571** (*a*) will be ordered or arranged for.

(*b*) *Ignition keys.* A label will be prepared for each vehicle showing the name of unit, type and mark of vehicle and the W.D. number. This label will be tied securely to the ignition key. Means will also be prepared for wiring the key, with its label attached, to the steering wheel, or, where the vehicle has no steering wheel, to one of the steering levers. This attachment will not actually be made until after the vehicle has been entrained. (*See* para. **571** (*j*).)

(*c*) *No water notice.* If frost precautions are necessary, a notice on wood or cardboard will be prepared for each vehicle, bearing the words " NO WATER " in bold lettering. Arrangements will be made for fixing this notice on the front of the radiator of wheeled vehicles ; and on the front of the vehicle in the case of tracked vehicles. It will not be fixed until after entrainment.

(*d*) *Accumulators* will be topped up, fully charged and kept in situ on the vehicle. (*See also* paras. **354** and **355.**) Arrangements will be made for disconnecting the leads after entrainment and securing them away from the battery terminals.

(*e*) *Bonnets.* Arrangements will be made whereby after entrainment the bonnets can be sealed against being opened during transit.

(*f*) *Lamps.* When these project or are liable to be damaged, they will be covered with straw and wrapped in canvas hessian, or other suitable material. It will depend on circumstances whether this is done before or after entrainment.

(*g*) *Mirrors* will be secured so that they cannot be removed without tools.

(*h*) *Superstructure.* In cases where there is any doubt regarding clearance of the railway loading gauge, the height above the rail level of the floors of the wagons to be supplied must be ascertained (by previous enquiry from the railway company if necessary) and comparison of the dimensions of the vehicle, when loaded, with respect to the loading guage, can then be made.

If it is necessary to lower or remove any superstructure that will not clear the loading gauge, any bolts that are removed will be re-inserted in their holes and nuts tightened to ensure their availability at the journey's end.

(*i*) *Turrets.* The turrets of A.F.Vs. will be clamped with the gun in the fore and aft position and the traversing gear lashed. Arrangements will also be made for locking the doors of the turret and all other doors providing access to the interior of the vehicle.

(*j*) *Steel and bright parts.* (Guns and vehicles.)

Peace—Will be greased or coated with mineral jelly.

War—Will be painted with service colour or anti-rust paint as required.

(*k*) *Guns* will be thoroughly cleaned and their bores coated with mineral jelly. Muzzle and breech covers will be fitted.

(*l*) *Machine guns* will be dismounted and packed inside the vehicles, in their chests, if any.

(*m*) *Fire extinguishers.* Verify that all fire extinguishers are filled and serviceable.

(*n*) *Tools.*

Peace and war—

"A" Vehicles — Advantage will be taken of bins and receptacles already in the vehicle. These will be packed with as much equipment as possible, the remainder, if any, being stowed and lashed inside the hull.

Peace—

"B" and R.A.S.C. Vehicles — Will be cased separately and the case firmly fixed inside the vehicle; where practicable, it will be screwed to the floor of the vehicle. The W.D. number of the vehicle will be marked on the case.

War—

Will be packed in their lockers and the lockers padlocked or sealed. Keys of tool lockers will be attached to ignition keys.

(*o*) *Overall chains or skid chains.* Will remain on the vehicle in their normal carrying positions and be wired or otherwise secured to the vehicle.

(*p*) *Spare wheels* will be checked for serviceability and will be kept *in situ* on the vehicle to which they will be wired or otherwise secured. If there appears to be a risk of damage in transit, they will be secured inside the vehicle.

(*q*) *Cushions* will be bundled and packed inside the vehicle, or will be fastened securely in position by the best means possible.

(*r*) *Petrol.* The amount of petrol in the fuel tanks will be regulated as nearly as possible so that there will be sufficient to enable the vehicle to be entrained, leaving a margin of not more than two gallons. (*See* para. **571** (*i*).)

At the same time, arrangements will be made for a pump or syphon and cans to be available for drawing off any excess petrol after entrainment. Instructions will also be obtained for the final disposal of this petrol.

(*s*) *Motor-cycles.*

Peace—May be packed in crates or inside the bodies of large vehicles. In the latter case arrangements will be made for securing them against movement. In exceptional circumstances they may be sent loose provided that they are tightly packed

in the wagon with some suitable material, such as bundles of sandbags, and are rigidly secured against movement. In any event preparations will be made beforehand.

War—Will be despatched as ordered in the appropriate instructions for war movements.

(*t*) *Documents and log-books* will be disposed of in accordance with instructions issued at the time.

(*u*) *Addressing.* Each vehicle will be addressed to the consignee, and, where a code letter or number has been allotted, this will be marked on the vehicle.

(*v*) *Ammunition.*

Peace—Will be removed from vehicles and despatched separately.

War—Separate orders are contained in the appropriate instructions.

(*w*) *Escorts.*

Peace—Arrangements for an escort will be made where required.

Orders. Written orders will be prepared for the escort. They may be varied to suit circumstances, but will comply generally with the instructions contained in para. **580.**

War—The authorized proportion of drivers and spare drivers will accompany vehicles. These will act as escort (*see* the appropriate instructions for war movements).

571. ENTRAINMENT.

(*a*) *Loading equipment.* At home the following loading equipment will be supplied on demand by the railway company and its availability will be verified as early as possible.

Designation.	No.
Tarpaulin, each wagon	1
Scotches, each wagon	4
Sleepers, 9-ft., each wagon	2
Sleepers, 6-ft., each tank or dragon, medium ... ... (Only in cases where wagons with raves are used.)	4
Sleepers, 13-ft., each tank or dragon, medium ... ... (Only in cases where wagons with raves are used.)	2
Wagon Bolsters or 6-ft. sleepers, each tank or dragon, light ...	2
Binding chains, fitted with screw shackles, each tracked vehicle	2
Ropes for lashing, each wheeled vehicle	2

Abroad a similar scale of equipment will be arranged.

(*b*) *Loading.* Entrainment of heavy vehicles and tanks will normally be carried out from end-loading ramps.

Light vehicles can be either end or side loaded. In the latter case a platform wide enough to allow room for the vehicles to manœuvre is necessary. If the platform is long and wide, allowing all the railway wagons to be loaded to be dealt with simultaneously, then side loading is quicker.

(*c*) *Securing of railway wagons.* Before entrainment begins, the brakes of each wagon will be put on and the wheels will be scotched fore and aft.

Care will be taken to ensure that the scotches are taken up before the wagon is moved.

(*d*) *Approach.* As the vehicle approaches the wagon over the end-loading ramp, it will be lined up as accurately as possible with the sides of the wagon and a responsible person will be detailed to guide the driver on to the wagon.

After the vehicle enters upon the ramp, all movement will be in bottom gear or in reverse.

When a number of vehicles is being entrained, the rake of the wagons to be loaded will normally be drawn up to the ramp complete, and the vehicles will drive over the line of wagons until they reach their final position. The spaces between wagons must be bridged with sleepers, or other suitable material, resting on the buffers.

(*e*) *Positioning.* Vehicles will be positioned centrally on their wagons both endways and sideways. If more than one vehicle is loaded on to one wagon, a clearance of not less than three inches will be left between the vehicles. The overhang, if any, at either end of the wagon will be equal.

(*f*) *Special instructions.* If special types of wagons are provided or are necessary in place of flats, any necessary special instructions with regard to loading will be given by the railway company and adequate notice will be given to the railway company.

(*g*) *Wireless lorries.* As all wireless lorries will include as part of their equipment a number of fully charged and filled acid accumulators, the greatest care will be taken in loading these vehicles.

(*h*) *Frost precautions.* When these are necessary, the water cooling system will be drained and a notice as described in para. **570** (*c*) will be fixed on the front of the radiator of wheeled vehicles, or on the front of the vehicle in the case of tracked vehicles. The draining of the system, when carried out, will be done before operation at sub-para. (*i*) below.

(*i*) *Petrol.* The petrol tap will be turned off and the engine started and run until the carburettor is dry. (When frost precautions are necessary, the water cooling system will be emptied before this is done.)

It will then be verified that not more than two gallons remain in the fuel tank. Any excess will be pumped or syphoned out into cans provided beforehand, and disposed of according to orders. It will also be verified that no other petrol is on the vehicle.

After this has been done, the following certificate will be entered on the Carriers' Note (A.F. G 980), and signed by the consignor or his senior representative present :—

"Certified that the fuel tanks of these vehicles do not contain more than two gallons of spirit each, and that no other spirit accompanies the vehicles."

(*j*) *Ignition keys*, with their labels attached, will be wired to the steering wheels, or, where no steering wheel exists, to one of the steering levers.

(*k*) *Battery leads* will be disconnected and tied, or otherwise secured, so that they cannot come in contact with the battery terminals.

(*l*) *Bonnets* will be sealed against being opened in transit. Magnetos, etc., will not be removed.

(*m*) *Lamps.* When protection is required, para. **570** (*f*) will be complied with.

(*n*) *Mirrors* will be checked to see that they cannot be removed without tools.

(*o*) *Superstructure and hoods.* It will be verified that all superstructures clear the railway loading gauge. The hoods of light dragons will be lowered in any case.

(*p*) *Tools* will be dealt with in accordance with para. **570** (*n*).

(*q*) *Turrets.* If not already done, the turrets of "A" vehicles will be clamped with the gun in the fore and aft position and the traversing gear clamped or lashed.

(*r*) *Doors.* Any doors that afford access to the interior of the vehicle (particularly " A " vehicles) will be secured from the inside or locked. Door keys will be dealt with so as to reach the detraining point not later than the vehicles.

(*s*) *Tyres* will be examined and inflated to correct pressure where necessary.

(*t*) *Ammunition.*

Peace—It will be verified that all ammunition has been removed.

War—Separate orders are contained in the appropriate instructions.

(*u*) *Securing.* When loaded, each vehicle will be secured and covered as follows :—

(i) It will be left in the lowest gear with brakes on.

(ii) In the case of tracked vehicles chains will be attached to the towing shackles or other suitable points and tightened to prevent swinging or lateral movement. Sleepers or scotches will be wedged in front of and in the rear of the tracks and, where possible, a long scotch will be fixed along the whole side of each track to prevent movement sideways in transit; each scotch will be fastened firmly to the floor of the truck with nails or dogs.

Light tanks may be secured by rope lashings (in lieu of chains) from both ends of each track and fixed to the buffer castings of the wagon.

(iii) In the case of wheeled vehicles chocks will be inserted under the fronts of front wheels and at the rear of rear wheels. They will be nailed to the floor of the wagon. Each vehicle will also be lashed securely to the wagon in such a manner as to prevent movement.

(iv) Each vehicle will be covered with a tarpaulin in such a manner as to prevent the ingress of rain to the interior of the vehicle and the interior of the bonnet. The tarpaulin will be fastened securely to the vehicle, not to the wagon.

(v) *Escorts.* Where an escort is provided, it will assist in entraining and its commander will take over the vehicles on completion of entrainment.

The escort commander will receive a copy of his orders in writing if not already in his possession. (*See* para. **580.**)

572. DETRAINMENT.

(*a*) *Previous preparations.* Previous arrangements will be made to have available at the detrainment site suitable supplies of water (for radiators), petrol, engine oil, a tyre pump and any other necessary tools, equipment or material.

(*b*) *Filling radiators.* Immediately the tarpaulin has been removed, and before anything else is done to any vehicle that is to move under its own power, the radiator will be examined and topped up or filled. The " NO WATER " notice, if any, will be removed.

(*c*) *Engine oil.* Before the engine is started, the level of the engine oil will be examined and, if necessary, topped up.

(*d*) *Lamps* will be uncovered. Care will be taken to see that their leads are not shorting or broken.

(*e*) *Accumulators* will have their leads connected.

(*f*) *Tyres* will be examined and inflated to the correct pressure.

(*g*) *Petrol.* The amount of petrol in the fuel tank will be checked and, if necessary, replenished.

(*h*) *Deficiencies and damage.* Each vehicle will be carefully checked over and any deficiencies or damage which have occurred in transit noted and reported at once, in writing if possible, to the railway officials; and to the escort commander, if any.

Particular care will be taken in the checking of ammunition.

(*i*) *Mileometer reading.* The total mileage reading on each vehicle will be noted and recorded.

(*j*) *Engine starting.* Before starting the engine will be turned over by hand at least 12 times.

On no account will the engine be run light for more than the minimum amount of time required to warm up sufficiently to take the load. It will never be allowed to run slowly except when thoroughly warmed up, usually after being under load.

(*k*) *Off-loading.* Detrainment of heavy vehicles and tanks will normally be done over end-loading ramps. Light vehicles may be either end or side off-loaded. (*See* para. **571** (*b*).)

(*l*) *Securing of railway wagons.* Before detrainment begins, the brakes of each wagon will be put on and the wheels will be scotched fore and aft.

(*m*) *Driving off.* Driving off the wagon will be done in bottom gear and a responsible person will direct the driver.

(*n*) *Wireless lorries.* As all wireless lorries will include as part of their equipment a number of fully charged and filled acid accumulators, the greatest care will be taken in unloading these vehicles.

SECTION 2.—TRANSPORT BY SEA

573. PRELIMINARY PREPARATIONS. (To be carried out as far as possible before vehicles proceed to the port of embarkation.)

(*a*) *Ignition keys.* A label will be prepared for each vehicle showing the name of the unit and type, mark and W.D. number of the vehicle. This label will be tied securely to the ignition key. Means will also be prepared for wiring this key, with its label attached, to the steering wheel, or, where the vehicle has no steering wheel, to one of the steering levers. This attachment will not actually be made until after the vehicle has arrived at the port of embarkation.

(*b*) "*No water*" *notice.* A notice on wood will be prepared for each vehicle, bearing the words "NO WATER" in bold letters.

Arrangements will be made for fixing this notice on the front of the radiator of wheeled vehicles, and to the front of the vehicle in the case of tracked vehicles. It will not be fixed until after the vehicle arrives at the port of embarkation.

(*c*) *Accumulators* will be topped up, fully charged and kept in situ on the vehicle (*see also* paras. **354** and **355**). Arrangements will be made for disconnecting the leads at the port of embarkation, and securing them away from the battery terminals.

(*d*) *Self starters* will be used as sparingly as possible so as to maintain the accumulators in a fully charged condition.

(*e*) *Bonnets.* Arrangements will be made whereby the bonnets can be secured at the port of embarkation in such a manner as to prevent their being opened by unauthorized persons during the voyage.

(*f*) *Lamps* will be covered with straw and wrapped in canvas hessian, or other suitable material, to protect them against damage. Headlamps may be reversed in their holders, but their wiring must remain connected. It will depend on circumstances whether this is done before or after arrival at the port of embarkation.

(*g*) *Prevention of pilferage.* Mirrors, clocks and other equipment of an easily pilferable nature will be packed in a box which will be sealed and fixed securely to the vehicle by wire or screwed to the floor. The box will be clearly marked with the number and type of the vehicle.

(*h*) *Superstructures.* Wherever possible, these will be dismantled and packed on the vehicle in such a manner as to reduce the overall height of the vehicles to a minimum. Where any bolts have been removed, care will be taken to re-insert them in their holes and to screw on the nuts tightly; this is necessary to prevent their being mislaid.

Hoods of dragons or open cars will invariably be lowered.

Windscreens of trucks and open cars will be lowered when possible; where this cannot be done, they will, if practicable, be removed and packed inside the vehicle; otherwise they will be protected by the best means available.

(*i*) *Turrets.* The turrets of A.F.Vs. will be clamped with the gun in the fore and aft position and the traversing gear lashed. The weight of the turret will be taken off the supporting rollers, either by the raising cams provided on the turret, or, in the absence of any special means, by hard wood wedges driven under the turret after the weight has been taken by a crowbar.

Arrangements will also be made for locking the doors of turrets and all other doors providing access to the interior of the vehicle.

(*j*) *Steel and bright parts.* (Guns and vehicles.)

Peace—Will be greased or coated with mineral jelly.

War—Will be painted with service colour or anti-rust paint as required.

(*k*) *Guns* will be thoroughly cleaned, their bores coated with mineral jelly and their muzzles blocked with wooden tampions. Muzzle and breech covers will be fitted.

(*l*) *Machine guns* will be dismounted and packed inside the vehicles, in their chests if any.

(*m*) *Fire extinguishers.* Verify that all fire extinguishers are filled and serviceable.

(*n*) *Tools.*

Peace and war—

"A" Vehicles: Advantage will be taken of bins and receptacles already in the vehicle. These will be packed with as much equipment as possible, the remainder, if any, being stowed and lashed inside the hull.

Peace—

"B" and R.A.S.C. Vehicles: Will be cased separately and the case firmly fixed inside the vehicle; where practicable, it will be screwed to the floor of the vehicle. The W.D. number of the vehicle will be marked on the case.

War—

Will be packed in their lockers and the lockers padlocked or sealed. Where an escort accompanies the vehicles, the keys will be handed over to the officer-in-charge; where there is no escort, the keys will be attached to the vehicle ignition keys.

(*o*) *Over-all chains or skid chains* will remain on the vehicle in their normal carrying positions and be wired or otherwise secured to the vehicle.

(*p*) *Tyres* will be examined for serviceability, and any having less than 50 per cent. life remaining will be exchanged. (This applies to outward journeys only.)

(*q*) *Spare wheels* will be checked for serviceability and will be kept in situ on the vehicles, unless there appears to be a risk of damage in transit, in which case they will be stored inside their vehicles.

(*r*) *Leatherwork.* Straps and similar leatherwork will be thoroughly dubbed; this does not refer to cushions or upholstery.

(*s*) *Cushions* will be bundled and packed inside the vehicle, or will be fastened securely in position by the best means possible.

(*t*) *Petrol.* The amount of petrol in the fuel tanks will be regulated as nearly as possible so that there will only be sufficient to enable the vehicle to arrive at the dock side, leaving as small a margin as possible.

At the same time arrangements will be made for a pump or syphon and cans to be available at the dock side for draining off any excess petrol before embarkation. Instructions will also be obtained for the final disposal of this petrol.

(*u*) *Motor-cycles.*

Peace—May be packed in crates or inside the bodies of large vehicles. In the latter case arrangements will be made for securing them rigidly against movement.

War—Will be despatched in accordance with the appropriate instructions for war movements.

(*v*) *Documents and log books* will be disposed of in accordance with instructions issued at the time.

(*w*) *Addressing.* Each vehicle will be labelled in two separate places with the following information:—

Number and type of vehicle.
Code letter or number, when this has been allotted.
From ... ... (consignor)
To ... ... (consignee)
Following items are in box ... (nature of items only).

This information will enable checkers at ports to ascertain that vehicles are externally correct and that items not on view are boxed and not actually missing.

(*x*) *Ammunition.*

Peace—Will be removed from vehicles and despatched separately.

War—Separate orders are contained in the appropriate instructions.

(*y*) *Loaded vehicles.* Where vehicles are to be shipped loaded, the total weight plus stores, equipment and any other items stowed inside must be clearly shown on the vehicle.

574. FINAL PREPARATIONS. (To be carried out at the port of embarkation.)

(*a*) *Instructions.* Before proceeding to the port instructions will be obtained as to where, when and to whom the vehicles will be handed over for embarkation.

(*b*) *Water and oil.* In the case of vehicles which have arrived by rail for embarkation special care will be taken to check the water and engine oil levels before the engine is started.

(*c*) *Self starters* will not be used at all if it can be avoided, so as to leave the batteries fully charged for the voyage.

(*d*) *Tyres* will be examined and inflated to correct the pressure where necessary.

(*e*) *Superstructures, hoods and windscreens.* If not already done, para. **573** (*h*) will be complied with.

(*f*) *Frost precautions.* Where frost precautions are necessary, the water system will be drained and the " NO WATER " notice will be fixed in front of the vehicle (*see* para. **573** (*b*)).

(*g*) *Petrol.*

(i) *Wheeled vehicles.* Before the vehicle is placed in the slings, the petrol remaining in the fuel tank will be drained off and disposed of as arranged beforehand. The petrol tap will then be turned off and the engine started and run until the carburettor is dry. (When frost precautions are necessary, the water cooling system will be emptied before this is done.)

(ii) *Tracked vehicles.* Sufficient petrol will be left in the fuel tank to enable the vehicle to be manœuvred into position in the ship. After this operation the petrol tap will be turned off and the engine started and run until the carburettor is dry. (When frost precautions are necessary, the water cooling system will be emptied before this is done.)

(*h*) *Oil.* Masters of W.D. vessels have power to order the oil to be drained from the engine, if considered necessary, with a view to preventing damage to other cargo should the oil be spilt.

(*i*) *Ignition keys* with their labels attached, will be wired to the steering wheels or steering handles, as the case may be.

(*j*) *Battery leads* will be disconnected and tied, or otherwise secured, so that they cannot come in contact with the battery terminals.

(*k*) *Bonnets* will be sealed against being opened during the voyage.

(*l*) *Turrets.* If these have not already been secured, para. **573** (*i*) will be complied with.

(*m*) *Doors.* Any doors that afford access to the interior of the vehicle (particularly " A " vehicles) will be secured from the inside or locked. Door keys will be dealt with so as to reach the detraining point not later than the vehicles.

(*n*) *Wireless lorries.* As all wireless lorries will include as part of their equipment a number of fully charged and filled acid accumulators, the greatest care will be taken in loading these vehicles.

SECTION 3.—EMBARKATION AND DISEMBARKATION

575. EMBARKATION—PEACE.

(*a*) *Stowage information.* To avoid delay at the port of shipment and to prevent vehicles being " shut out " from shipment, it is essential that consignors inform the A.D.M.T., Royal Arsenal, Woolwich, S.E.18, in all normal peace moves, and the War Office in all emergency moves, of each case where a vehicle does not conform to the weights or dimensions, etc., as tabulated in the pamphlet " Weights, Dimensions, etc., of Vehicles and Artillery Equipments," published twice yearly with Army Orders.

Consignors will in all cases state on the form of application for freight :—

(i) The total " embarkation " weight of any vehicle, including stores, equipment and other items stowed inside the vehicles.

(ii) The overall dimensions of each vehicle, as stowed and equipped for embarkation.

(iii) Description and type of vehicle.

(*b*) *Shipping instructions.* In normal moves the consignor will be notified of shipping instructions, including " alongside " date by the A.D.M.T., and in emergency moves vehicles will be called forward by the Movement Control at the port concerned.

(*c*) *Slinging.* Slinging, including the provision of slings, and stowage on board are the responsibility of the Board of Trade. The responsibility of the unit or depot personnel accompanying the vehicle ends at the ship's side. In an emergency shipment when tracked vehicles are being loaded army personnel will manœuvre them into position on the vessel under Board of Trade instructions. In such cases fire precautions will be taken by the command in which the port is situated.

Where fully tracked vehicles are fitted with lifting eyes, these will normally be used for slinging the vehicles. The lifting eyes are indicated by the words " SLING HERE " and in no circumstances will eyes or shackles not so marked be used for slinging purposes. If lifting eyes are not provided, the vehicles may be slung by passing two wires longitudinally under the belly, each sling being applied as closely as possible to the side plate.

(*d*) *Care of vehicles at the port.* Where it is necessary, during an emergency shipment, to call forward vehicles to the port in advance of the arrival of the ship, arrangements will be made for the necessary technical staff to be attached to the Movement Control to take charge of the vehicles.

576. EMBARKATION—WAR.

The orders concerning " calling-forward " to the port of shipment, steps to be taken on reaching the docks, etc., are contained in the appropriate instructions.

577. DISEMBARKATION. HOME AND ABROAD—PEACE AND WAR.

PEACE

Normal Shipments.

(*a*) *Clearance from port.* On information being received of the arrival of vehicles, the A.D.M.T., in the case of the Port of London and officers i/c transport elsewhere will take the necessary steps to clear vehicles from the port without delay.

Emergency Shipments.

(*b*) On information being received of the arrival of a large consignment of vehicles, steps will be taken to attach an officer of the R.A.O.C. to the Movement Control at the port. This officer will be responsible for co-ordinating all the technical work relating to the vehicles. He will take charge of all vehicles (including R.A.S.C.) as they are disembarked and prepare them for the road. As vehicles are ready he will inform the Movement Control, who will make arrangements for calling forward the necessary drivers to take them to their destinations.

When vehicles will not run and it is not possible to tow them to their destination, the Movement Control will make the necessary arrangements for rail transport.

WAR

Orders are contained in the appropriate instructions.

SECTION 4.—PREPARATIONS FOR USE AFTER DISEMBARKATION

578. PREPARATION.

(*a*) *Previous arrangements* will be made to have available at the dock side supplies of water (for radiators), distilled water (for accumulators, fire extinguishers and refills), petrol, engine oil, lubricating equipment, tyre pumps and any other necessary equipment, tools or materials.

(*b*) *Checking damage and deficiencies.* Before each vehicle is taken over it will be examined carefully and any damage or deficiencies that might have occurred on the voyage will be recorded and reported (in writing if possible) to the E.S.O., or his representative. When possible, this should be done in time for the ship's representatives to be notified before the vehicle is removed from the place of off-loading.

(*c*) *Fire extinguishers.* Verify that all fire extinguishers are filled and serviceable.

(*d*) *Radiators.* Before engines are started, radiators will be examined and filled. " NO WATER " notices, if any, will then be removed.

(*e*) *Engine Oil.* Before engines are started, the level of oil in the sump will be examined and made up.

(*f*) *Mileometer reading.* The total mileage reading on each vehicle will be noted and recorded.

(*g*) *Tyres* will be examined and inflated to the correct pressure.

(*h*) *Lamps* will be uncovered and adjusted in their holders.

(*i*) *Accumulators* will have their leads connected and their electrolite topped up with distilled water, if necessary (*see also* paras. **354** and **355**).

(*j*) *Petrol.* Petrol tanks will be replenished.

(*k*) *Engine starting.* Before starting, the engine will be turned over by hand at least 12 times.

When the voyage has exceeded seven days in duration, starting will be done by hand.

(*l*) *Self starters* will not be used, if it can be avoided, until the battery has again become fully charged; probably after several days running.

579. AFTER CARE.

(*a*) *Accumulators.* After a long voyage, accumulators may be considerably run down. Effort must be made to get them re-charged as early as possible (from their own dynamos or otherwise).

(*b*) *Lubrication.* As soon as possible after disembarkation all vehicles will have their lubrication attended to.

580. SECTION 5.—ORDERS FOR AN ESCORT ACCOMPANYING MECHANICAL VEHICLES ON RAIL.

Peace.

1. *Composition of party.* As ordered, but usually not less than 1 N.C.O. and 3 men.

2. *Dress, arms, and ammunition.* As ordered.

3. *Duties.*

(*a*) To assist in entrainment and detrainment.

(*b*) To take charge of all vehicles from the time of taking over from the entraining party until the time of handing over to the detraining party.

(*c*) To patrol the train during the whole of every halt.

(*d*) To prevent any unauthorized person from approaching the vehicles and to prevent damage or theft.

(*e*) To examine tarpaulins frequently and to secure any found to be loose.

(*f*) To report to the guard any vehicle observed to be moving on its truck.

NOTE.—The escort is not responsible for the security of the vehicles on their trucks, but will render any required assistance in securing them, so long as the duty of safeguarding the vehicles is not interfered with.

CHAPTER 21.—DECONTAMINATION OF STORES

LEATHER

581. Leather articles of equipment which have been heavily contaminated with drops and smears of blister gas will be subjected to the following treatment :—

Note.—Articles very heavily contaminated, *i.e.* which have absorbed large quantities of the blister gas, must be destroyed by burning.

Treatment. The articles must be packed loosely in some form of basket or net and lowered into a vessel containing water as hot as the hand can stand (50°–55° C.). The water must be kept at this temperature and the articles treated for six hours. On no account must the temperature rise above 55° C. Care must be taken that no part of any article touches the heated surface of the vessel.

After treatment the basket or other container will be removed and the articles allowed to dry in warm air, circulating freely.

582. Deterioration in the appearance of the leather can be remedied to some extent by oiling after drying. A mixture of cod oil and sulphonated cod oil is most suitable for boot and shoe uppers.

CHAPTER 22.—"A" AND "B" VEHICLES

GENERAL

583. The following paragraphs contain instructions relating particularly to "A" and "B" vehicles and stores for their maintenance. Except as specially provided in this chapter the general instructions relating to equipment stores, where applicable, will be followed.

584. The purchase and issue of all new vehicles will be made under War Office control.

Questions of design are co-ordinated and controlled by the War Office through the usual channels (*see also* para. **17**).

C.Os. are forbidden to communicate direct with makers of "A" and "B" vehicles.

"A" and "B" vehicles on peace equipment charge may accompany units to camps, manœuvres, etc., as considered necessary by the G.O.C.-in-C.

Source of Supply.

585. "A" and "B" vehicles and all materials required for their maintenance and repair including spare parts, tools and accessories, solid tyres, covers and tubes, will be issued by the R.A.O.C.

Scales of Stores.

586. The fitments, tools and equipment of "A" vehicles are detailed in "Tables of Tools and Equipment for 'A' Vehicles for Peace and War," and those of "B" vehicles in **Appx. 28.**

The war scale (initial supply on mobilization) of lubricants for "A" vehicles is detailed in **Appx. 29.**

Cans, petrol, two gallon, may be issued, as required, up to a maximum of 100 to each unit in possession of "A" vehicles for draining and storing petrol from the fuel tanks of their "A" vehicles.

Instructions regarding the scales of spare parts and stores and for the repair, maintenance, etc., of vehicles, are contained in paras. **590** and **593** to **596** respectively.

Designation of stores and preparation of indents.

587. Stores will be described in ledgers, etc., and indents prepared in accordance with the instructions laid down in the

vehicle parts lists, etc., which constitute Sections L.V.1–7 of the Vocabulary of Army Ordnance Stores. Separate sheets will be used for each vocabulary sub-section shown in the parts lists, etc. When indents cover more than one vehicle, they will show the number of vehicles of each type and make or mark on charge for which stores are demanded.

When it is cheaper to supply a complete article than any one of its component parts, these will be shown separately in the vehicle parts lists; the complete article will be indented for and the indent enfaced with the circumstances. The old article will be returned to the R.A.O.C.

Initial issue of vehicles.

588. (*a*) Vehicles will be issued by the R.A.O.C. or consigned direct to units from contractors' works without indent in accordance with War Office issue orders and instructions.

(*b*) Each vehicle will be accounted for as (vehicle) complete with fitments, tools and equipment detailed in Lists A, B and C (and D if applicable), and will comprise the vehicle and its component parts and the items detailed in the following lists:—

List A	Vehicle fitments and certain equipment always remaining on the vehicle (*e.g.* M.G. mountings for "A" vehicles).
List B	Vehicle tools and equipment supplied by the makers of the vehicle, engine, etc.
List C	Vehicle W.D. tools and equipment.
List D	Technical equipment (*e.g.* generating sets, machine tools, etc.) for certain "B" vehicles and trailers.

(*c*) Where a vehicle is issued by the R.A.O.C. the latter will insert a copy of the issue voucher and a set of Lists A, B and C (and D if applicable) bearing the office stamp, in the A.B. 5 of the vehicle, and will also attach copies of the lists to the issue voucher (A.F. G 982).

(*d*) Where a vehicle is consigned direct to a unit from a contractor's works, a notification of despatch (advice copy of A.F. G 1026) will be sent to the unit by the contractor. The C.O.O. Chilwell will send to the unit:—

(i) W.D. tools and equipment detailed in List C;
(ii) A.B. 5 of the vehicle, containing a copy of the issue voucher and a set of Lists A, B and C (and D if applicable); and
(iii) an issue voucher (A.F. G 982) for the vehicle, complete with fitments, tools and equipment, with copies of the lists attached.

(*e*) Each vehicle will be shown on a separate voucher.

(*f*) On receipt of the vehicle, the unit will check carefully the actual fitments, tools and equipment with the Lists A, B and C (and D if applicable) in the A.B. 5 but will not take them on individual charge in the ledger.

(*g*) The following will be forwarded direct to units by the C.I.A. (if the information is available) for insertion in the A.B. 5 of the vehicle :—

(i) A duplicate of page 1 of A.B. 5, duly completed (to be pasted over the existing page).

(ii) A " Summary of Special Data obtained from Performance Tests " (to be inserted on page 5) (For " A " vehicles only).

(iii) Two proformas to be inserted on page 61 showing modifications embodied during manufacture, etc. (For " A " vehicles only.)

(iv) A log sheet showing mileage run *before* delivery (For " A " vehicles only).

(*h*) Fitments, tools and equipment which should be issued with the vehicle, but which are not available, will be detailed in the issue voucher as " to follow," by the depot issuing the vehicle or by the C.O.O. Chilwell in the case of a vehicle consigned direct from a contractor's works.

When the stores become available, they will be issued direct to the unit without indent. When a vehicle is consigned direct from a contractor's works, any items of tools or equipment detailed in Lists A and B not available for issue with the vehicle, will, when they become available, be sent by the contractor to the C.O.O. Chilwell for transmission to the unit. On receipt of these items the unit will delete the corresponding " to follow " items from the copy of the original issue voucher in the A.B. 5 and will quote the new issue voucher number against the deletions as the authority. The unit will give the voucher a number in the normal series of receipt vouchers and will enface their copy with the words " Certified incorporated in .....(vehicle) W.D. No..... Copy of original issue voucher in A.B. 5 amended accordingly."

(*i*) " A " vehicle technical equipment, *e.g.* armament, etc., and stores for their maintenance, are included in " Tables of Tools and Equipment for ' A ' vehicles for Peace and War " but will not be accounted for as part of the vehicle. They will be ledger items and they will be issued initially by the R.A.O.C. without indent in accordance with arrangements which will be made by the A.D.O.S. of the area to whom enquiries will be addressed.

(*j*) A copy of the appropriate " Table of Tools and Equipment for ' A ' vehicles for Peace and War " will be kept in the A.B. 5 of every " A " vehicle. These tables will be indented for on A.F. L 1394.

Alterations to Lists and Tables in A.B. 5.

589. (*a*) The Lists A, B and C. (and D if applicable) inserted in the A.B. 5 as laid down in para. **588,** sub-paras. (*c*) and (*d*) on first issue of a vehicle, will constitute a record of the fitments, tools and equipment of the vehicle. Alterations to the lists will be permitted only as under :—

(i) On change of the scales of fitments, tools and equipment laid down in " Tables of Tools and Equipment for ' A ' Vehicles for Peace and War " in the case of " A " vehicles and in **Appx. 27** for " B " vehicles.

(ii) Where amendments to the lists become necessary, consequent on modifications carried out locally as a result of monthly list of changes, C.I.A. circulars, etc.

(*b*) Where changes, as above, have been made the C.O.O. (P. 2) Chilwell, will issue amendments to the lists and instructions for the disposal of any items held in excess of the new scale. Units will then :—

(i) Insert any additional items in the appropriate list(s) in the A.B. 5 quoting the authority.

(ii) Detail the additional items at the foot of the list(s) as " to follow."

(iii) Indent for the additional items of A.F. G 997 as " additions to scale."

(iv) Delete any items withdrawn from the scale in the appropriate list(s) in A.B. 5.

(*c*) Vouchers for the additional items will be enfaced by the issuing depot " Not to be taken on ledger charge." On receipt of the stores, the unit will delete the corresponding " to follow " items at the foot of the list(s) in the A.B. 5 and quote the voucher number against the deletions, as the authority. The unit will give the voucher a number in the normal series of receipt vouchers, and will enface their copy with the words " Certified incorporated in ..... (vehicle) W.D. No. ....., and List(s) ..... in A.B. 5 amended accordingly."

(*d*) In the case of modifications or additions to fitments, tools or equipment, not covered by the above procedure, the

items concerned will be tentatively added to, or deleted from the list(s) in the A.B. 5 by the unit under instructions of the S.O.M.E. of the area, or the C.O.O., or O.O., of the issuing depot, quoting the monthly List of Changes; C.I.A. Circular, etc., as the authority. The changes will be referred to the C.O.O. (P. 2) Chilwell, for confirmation.

(*e*) Stores rendered surplus on a change of scale will not be brought to ledger charge, but will be shown on A.F. G 1033 which will be enfaced " Certified withdrawn from..... (vehicles) W.D. Nos. .....and List(s)..... in A.B. 5 amended accordingly." The A.F. G 1033 will be given a number in the normal series of issue vouchers, which will be quoted against the deletions in the appropriate lists.

(*f*) Alteration to the " Tables of Tools and Equipment for ' A ' Vehicles for Peace and War " will be made in accordance with amendments which are notified in A.C.Is. Copies of amendments required for this purpose will be indented for on A.F. L 1394.

Maintenance and Repair.

590. (*a*) The maintenance in running order of vehicles on charge of units, by the replacement of damaged parts and the carrying out of such adjustments and repairs as can be effected by means of the tool equipment supplied with the vehicle or by the approved equipment of the unit, is the function of the unit.

No adjustments or repairs may be undertaken by the unit which are beyond the capacity of the personnel and of the tools available. While it is the responsibility of the C.O. to decide what maintenance and repair shall be carried out by his unit, he will be guided by the technical advice of an O.M.E.

(*b*) All other repairs and adjustments, and the reconditioning of parts exchanged under (*a*) above will be carried out by the R.A.O.C. When repairs, etc., are carried out in R.A.O.C. workshops, the vehicle crew will be made available to assist the workshop staff in carrying out the work.

(*c*) (i) Where vehicles or components, etc., are covered by a guarantee, the manufacturer is liable for the free replacement within the guarantee period of all parts that fail through faulty design, material or workmanship.

(ii) Where vehicles are not under guarantee, any defects that are clearly not due to reasonable fair wear and tear or are of sufficient importance to influence future design, are of particular interest.

(iii) All defects under (i) and (ii) above will be reported to the S.O.M.E. on A.F. G 889, to which will be attached an indent for the replacement of the item concerned. The indent will be enfaced " Required to replace item(s) reported on A.F. G 889..... dated.....attached." The indent will be initialled by the S.O.M.E., and passed to the A.D.O.S. for issue of the item(s) in replacement.

The completed A.F. G 889 will be forwarded by the S.O.M.E. of the command to the C.I.A.

The faulty component will be retained by the unit pending disposal instructions by the C.I.A.

(*d*) Bullet proof plates or bullet proof components of " A " vehicles will not be replaced by items made of other material without prior War Office approval.

After removal, such plates or components will be retained with the vehicle and must accompany it on transfer between units or on return to store.

In cases of doubt regarding the material of which a plate is made, reference will be made to the C.I.A.

Inspections (*see* **Appx. 54**).

591. (*a*) Os.C. units will arrange for such periodical inspections by company, etc., officers as may be necessary to ensure compliance with sub-para. (*a*) of para. **590.** For these inspections A.F. G 810 will be used in conjunction with A.B. 406 for wheeled vehicles and A.F. G 865 for tracked vehicles.

(*b*) The S.O.M.E. of the area, will arrange for inspections of " A " and " B " vehicles as follows :—

Once a year * either in unit lines or in workshops as soon as possible after the termination of the training season. The results of these inspections will be recorded on the following army forms, in quaduplicate :—

Tracked vehicles	A.F. G 857A.
Wheeled motor vehicles and motor-cycles ...	A.F. G 857B.

and will be distributed as follows :—

(i) One copy to the C.O. of the unit for such action as may be necessary. This copy will subsequently be filed in the A.B. 5 of the vehicle concerned.

(ii) One copy to the A.D.O.S. as a check against units indents for stores and components found defective and which are to be replaced under unit arrangements.

* Twice a year during the present emergency.

(iii) One copy to the C.O.M.E. of command for the investigation of any matters that need special attention.

(iv) One copy for retention by the S.O.M.E., as an office copy.

When an uncommon defect comes to notice, the O.M.E. will prepare a special report which, together with his suggestion for its rectification or modification in design, will be forwarded as early as possible to the C.O.M.E. of the command for action, as may be considered necessary.

An officer of the unit and the vehicle crew will attend all inspections when carried out in unit lines, whether carried out by the C.I.As. staff or by an O.M.E.

(*c*) Headquarters routine inspections of "A" and "B" vehicles will be carried out by the staff of the C.I.A. annually.

The C.I.A. will notify units as to the date of their representatives inspection, and will at the same time notify command headquarters, who will make arrangements for an O.M.E. to be present. In the case of "B" vehicles the C.I.A. will notify commands of the months selected for his inspection and command headquarters will arrange a programme.

In addition to carrying out the annual routine inspection referred to above, the C.I.A's. inspectors will carry out such technical inspections as may be considered necessary, in order to investigate technical defects, give close attention to recently mechanized units and maintain liason with O.M.Es. The C.I.A. will from time to time report to the D. of M. upon such matters as the suitability of materials and design to service requirements.

* (*d*) For inspections under sub-paras. (*b*) and (*c*) classification for condition will be carried out on the following basis :—

Class I. Vehicles which are "fit for mobilization" and vehicles which can be made "fit" in less than six working hours by unit personnel. Such vehicles may have minor faults to be kept under observation.

Class II. Vehicles which can be made "fit for mobilization" by workshop or unit attention and be at duty with the unit in three days.

Class III. Vehicles which can be made "fit for mobilization" by workshop attention and returned to the unit in ten days.

Class IV. Vehicles which can only be made "fit for mobilization" by workshop attention or overhaul and returned to the unit after a longer period than ten days.

* *See* A.C.Is. 2164 and 2478 of 1942.

Class V. Instructional vehicles, and vehicles which by their age or general condition are only fit for training purposes.

Class VI. Vehicles which are beyond profitable repair and are recommended for evacuation.

The term "fit for mobilization" in the above list of classifications will be taken to mean vehicles which are in good mechanical condition and which will give reliable service under war-time conditions and maintenance arrangements for the following minimum mileages :—

	Miles
"A" Vehicles—	
Medium tanks and dragons	500
Other tracked vehicles	800
Armoured cars	3,000
Half-tracked vehicles	2,000
"B" Vehicles—	
Six and four-wheeled vehicles, motor-cycles and trailers	5,000

The C.O.M.E. will investigate all unusual defects and his report will embody definite opinions as to whether such defects are attributable to :—

(*a*) faulty design ;
(*b*) unsuitable or defective materials ;
(*c*) faulty manufacture ; or
(*d*) mishandling or neglect.

In the latter case he will initiate action under para. **95.**

Spare parts, materials for repair, etc.

592. In addition to the fitments, tools and equipment referred to in para. **586,** units will hold spare parts, miscellaneous stores and materials for repairs in accordance with the scales laid down in "Scales of M.T. Stores for 'A' and 'B' Vehicles for Peace and War," as follows :—

(*a*) Items detailed in Part I will be held by units to which light aid detachments are not permanently allotted.

(*b*) Items detailed in Part II will be held by units to which light aid detachments are permanently allotted, and by light aid detachments allotted to infantry brigades and similar formations.

593. (*a*) (i) Vehicle and proprietary equipment, spare parts and miscellaneous M.T. stores peculiar to the type and make or mark of vehicle as laid down in Sections "A" and "B"

of " Scales of M.T. Stores for 'A' and 'B' Vehicles for Peace and War " will be held on the basis of the vehicles on peace and mobilization charge.

(ii) Common miscellaneous M.T. stores, *e.g.* bolts, nuts, washers, split pins, etc., as laid down in Section C of " Scales of M.T. Stores and 'A' and 'B' Vehicles for Peace and War " will be held on the basis of all vehicles on war establishment.

(*b*) These stores, which are intended to cover the normal requirements of units of spare parts and miscellaneous M.T. stores in common demand, will form the unit's war first aid M.T. outfit.

(*c*) The stores may be used in peace to replace " U " " R " and deficient stores on vehicles, but any stores so used will be replaced without delay in order that the M.T. outfits are at all times reasonably complete and ready for war.

(*d*) In the event of the number of vehicles on peace or mobilization charge of the unit, or the war establishment of the vehicles, being increased or decreased, stocks will be adjusted as necessary. Os.C. units will be responsible for maintaining the items and quantities up to the full scale for the number of vehicles concerned.

(*e*) On mobilization the M.T. repair outfits of any vehicles which are returned to store as not fit for field service will be returned with the vehicles.

(*f*) When a unit changes station the proportion of the stores in sub-para. (*a*) (i) held for vehicles on mobilization charge will be transferred to the relieving unit. The stores in sub-para. (*a*) (ii) will be retained by the outgoing unit.

(*g*) The stores will be accounted for as ledger or non-ledger items.

(*h*) Indents for initial stocks will be submitted on A.F. G 994 to the A.D.O.S. of the area, the indents being clearly enfaced with the authority under which they are demanded.

(*i*) Indents for non-ledger items required to replace stores used under sub-para. (*c*) will be submitted on A.F. G 994 as at sub-para. (*h*). Ledger items required to replace issues will be obtained by means of A.F. G 994 in accordance with the instructions in para. **28.**

Consumable stores.

594. (*a*) A limited stock of consumable stores, *e.g.* electric cable, copper wire, insulating tape, etc., and materials of

minor value in common demand, required for working repairs and cleaning purposes, may be held in addition to the stores referred to in para. **593** on a scale equivalent to three month's normal requirements.

(*b*) The stores will be accounted for as non-ledger items.

(*c*) Initial stocks will be obtained as directed in para. **593** (*h*), and subsequent indents will be submitted on A.F. G 997 quarterly, on 1st March, 1st June, 1st September, and 1st December.

595. (*a*) Assemblies and spare parts of minor value frequently required for repairs but not included in the " Scales of M.T. Stores for 'A' and 'B' Vehicles for Peace and War," may also be held on a scale equivalent to three month's normal requirements. Special care will be taken to avoid unnecessary accumulation of stocks.

(*b*) The stores will be accounted for as ledger or non-ledger items in accordance with paras. **612** and **613.**

(*c*) Initial stocks will be obtained as directed in para. **593** (*h*) and replacements effected as directed in para. **593** (*i*).

596. Units will report annually in November to the A.D.O.S. of the area any stores obtained under para. **595,** and any proposed additions or deletions to the scales referred to in para. **593.**

597. The stores held under paras. **592** to **595,** will be available for inspection by the C.I.A., A.D.O.S. and financial adviser and auditor. C.Os. will be called upon to explain any excess expenditure or undue accumulation of stores.

Serviceable articles which become surplus will be returned to the R.A.O.C., the voucher being enfaced " Surplus under E.R., Part 1, 1942, para. **597.**"

598. Produce resulting from the accumulation of unserviceable non-ledger items will be reported to the R.A.O.C. periodically for disposal instructions.

599. (*a*) Ledger items held under paras. **592, 593** and **595** will not be struck off charge on issue to vehicles, since replacements will be dealt with.

(*b*) Issues of non-ledger items held under paras. **593** to **595** will be made as directed in para. **617.**

600. Stores required to enable unit artificers to carry out modifications to vehicles under monthly L. of C., C.I.A. circulars, etc., will, if they are not already in possession of the unit, be indented for from the R.A.O.C. on A.F. G 994. The R.A.O.C. will issue the stores immediately, without waiting

for the return of any stores being replaced. The unit will not take the stores on ledger charge, but the relative voucher will be numbered in the normal series of receipt vouchers, and the unit copy of the voucher will be enfaced " Certified incorporated in.....(vehicle) W.D. No..... Authority....." The voucher will also bear a reference to the issue voucher by which the replaced stores (if any) have been returned to the R.A.O.C.

Any stores removed from the vehicle as the result of a modification will be returned to the R.A.O.C. in accordance with instructions to be obtained from the A.D.O.S. of the area. They will not be taken on ledger charge before return, nor consequently will the issue voucher be posted in the ledger. The voucher will, however, be numbered in the normal series of issue vouchers and enfaced " Removed from..... (vehicle) W.D. No.....Authority....."

601. In the event of training being interrupted owing to the delay in the supply of spares, command headquarters will be informed at once. If the case is considered by headquarters to be so urgent as to warrant immediate repair, and if this repair can be effected by the removal of parts from a vehicle which is undergoing or awaiting repair, authority may be given by command headquarters for the removal from such a vehicle of the parts necessary to effect the repair, but at the same time a detailed report will be submitted to the War Office.

In no other circumstances will vehicles be stripped to supply parts.

Replacement of component parts, fitments, tools and equipment of " A " and " B " vehicles.

602. Indents for the replacement of component parts, fitments, tools and equipment of " A " and " B " vehicles will be submitted to A.D.O.S. on A.F. G 994.

603. Indents will include the following particulars :—

Make of vehicle.
W.D. number.
Chassis number.
Engine number (if engine parts are included on indent).
Number and date of O.M.Es. condemnation certificate (A.F. G 1043), when applicable. This certificate will be attached to the indent.

604. R.A.O.C. issue vouchers will be enfaced " For incorporation in vehicle No. Not to be brought on ledger charge."

The vouchers will be enfaced by the unit with a reference to the issue voucher by which the replaced articles were

returned, or, in the case of deficiencies, to the document showing that the value of the stores has been recovered or has been authorized to be borne as a loss by the public.

605. Units' issue vouchers will be enfaced with the W.D. number of the vehicle from which the article has been removed and the number of the receipt voucher by which replacement has been effected.

606. The vouchers referred to in paras. **604** and **605** above will not be posted in the unit's ledger, but they will be numbered and filed in the normal series of receipt and issue vouchers.

Transfer or return of vehicles.

607. (*a*) When vehicles are transferred between units the attendance of an O.M.E. will always be arranged for and should any vehicles be found to require workshop attention they will be dealt with before the new unit takes them over.

(*b*) Before a vehicle is transferred from one unit to another, or is returned to an ordnance depot, the fitments, tools and equipment will be checked with the lists in A.B. 5.

(*c*) When a vehicle is transferred between units it will be vouchered on A.F. G 1033 as " (vehicle) complete with fitments, tools and equipment as detailed in Lists A, B, and C. (and D if applicable) in A.B. 5, except as detailed below." The voucher will be prepared in triplicate, the extra copy being handed to the receiving unit (*see* below). Any deficiencies will be detailed on the voucher, those due to non-receipt of stores from the R.A.O.C. in replacement of similar stores previously handed in, paid for, or written off, being specially indicated, and references given to the relative R.A.O.C. receipt voucher, A.F. G 838, A.F. P 1954 or A.F. G 998, as the case may be. The ordnance depot concerned will be requested to cancel the issue of items due on the outstanding indents.

Any " U " or " R " articles will also be detailed on the voucher and will be handed over with the vehicle.

The entries relating to " U " and " R " and deficient articles will be initialled by the representatives of both units, after checking and agreement by the receiving unit. The receiving unit will take steps to exchange the " U " and " R " articles and obtain replacement of deficient articles. The triplicate copy of A.F. G 1033 will be attached to unit's indent when it is sent to the R.A.O.C. The R.A.O.C. will issue the articles to the receiving unit, but will render A.F. G 838 to the issuing unit in respect of any deficiencies which are not due to outstanding indents, and for any " U " or

"R" articles considered to have been subjected to unfair wear.

(*d*) When a vehicle is returned to an ordnance depot the unit will voucher on A.F. G 1033, in quadruplicate, which will be prepared as directed in sub-para. (*c*). If any articles appertaining to the vehicle are due from the R.A.O.C. on outstanding indents, the ordnance depot will be requested to cancel issue of the outstanding articles. Any "U" or "R" stores will be returned with the vehicle. The depot receiving the vehicle will give a receipt to the unit for the vehicle and the fitments, tools and equipment actually received, and will render A.F. G 838 to the unit in respect of any deficiencies not due to outstanding indents and for any damages due to unfair wear.

(*e*) When technical equipment, *e.g.* generating sets, machine tools, etc., for certain "B" vehicles and trailers, is to be returned to one ordnance depot, and the vehicle to another, the items of technical equipment will not be brought to ledger charge, but will be vouchered to the appropriate depot, on a separate A.F. G 1033, which will be numbered in the normal series of issue vouchers and enfaced as laid down in para. **600**. The items will be deleted from the list(s) in the A.B. **5**, the deletions being supported by a reference to the relative issue voucher.

Instruction Books, Parts Lists, etc.

608. (*a*) The following will be issued with all mechanical vehicles except trailers :—

(i) One instruction book with small size W.D. lubrication chart.

NOTE :—In the case of "A" vehicles the lubrication chart forms part of the instruction book and must not be referred to as a separate document. Vehicles will be lubricated in accordance with the W.D. lubrication chart which supersedes the makers' instructions and lubrication plates on vehicles.

(ii) One parts list ("B" vehicles only).

(iii) One packing diagram (prepared for certain "A" vehicles). *See* appropriate "Table of Tools and Equipment for 'A' vehicles for Peace and War."

(*b*) In addition units are authorized to hold the following publications for vehicles in their possession. When new vehicles are issued the publications will be issued through the

A.D.O.S. of the area by the C.O.O. Chilwell without indent, provided that they are not already held by units as a result of an earlier issue of a vehicle of the same type and make.

(i) **Parts lists and key lists.***

For each different type and make or mark of vehicle issued :—

Cavalry Armoured Car Rgts.	5
Divisional Cavalry Rgts.	5
Cavalry Light Tank Rgts.	5
Battalions Royal Tank Rgt.	5
R.H.A. Rgts.	4
Field Rgts. R.A.	5
Anti-Tank Rgts. R.A.	5
Medium Rgts. R.A.	6
Heavy Rgts. R.A. (Field Army)	5
Searchlight Rgts. R.A.	5
,, Battalions R.E.	5
Field Companies and Squadrons R.E.	4
Divisional and Corps Signals	8
Battalions of Foot Guards and Infantry of the Line	5
Other accounting units	2

(ii) **Vocabulary of Army Ordnance Stores LV 6 M.T. Sections 1 to 15.**

Each major mechanized unit (*i.e.* a unit with a light aid detachment permanently attached) and each artillery battery in which the officer in charge is an accounting officer—

(iii) **Instruction books**

"*A*" *Vehicles*—Instruction books.
As laid down in "Manual of Military Publications, Authorized scales of Issue," Indented for on A.F. L 1394.

"*B*" *Vehicles*—Instruction books (with small size W.D. lubrication chart).
2 each Hd. Qrs., squadron, battery or company.

* A key list for each make of vehicle and engine is as follows :—

Wheeled vehicles
Showing catalogue reference number of parts lists for chassis and engines separately.

Tracked vehicles.
Showing catalogue reference number of parts lists for engines only.

Large size W.D. lubrication charts (with cardboards for mounting).

2 each Hd. Qrs., squadron, battery or company.

Charts will be mounted on cardboard under unit arrangements.

Instructional diagrams for " A " vehicles (with cardboards for mounting).

2 sets each Hd. Qrs., squadron, battery or company.

Diagrams will be mounted on cardboard under unit arrangements.

(iv) **Instructional diagram for " A " vehicles.**

2 sets each Hd. Qrs., squadron, battery or company.

(*c*) Indents on A.F. G 994 for replacements, reasons for which will be enfaced on the indents, will be submitted to the D.A.D.O.S. of the area, who will transmit them to the C.O.O. Chilwell.

Vehicle records and returns.

609. (*a*) The following records will be maintained by units for each " A " and " B " vehicle, except trailers, on charge, and will be available for inspection by the financial adviser and auditor, when required in addition to the documents supporting the units accounts :—

(i) A.B. 5—Vehicle log sheet file.
(ii) A.F. G 3519.—Monthly vehicle log sheet.

(*b*) The instructions contained in A.B. 5 for keeping the vehicle log sheets will be strictly complied with. A.F. G 3519 will be completed and filed in accordance with the instructions on the form and in A.B. 5.

(*c*) When a vehicle is transferred from one unit to another, A.F. G 3519 will be completed to date of transfer, and signed by the unit transferring the vehicle. The receiving unit will begin a new A.F. G 3519 from the date of receipt of the vehicle.

(*d*) When a vehicle is repaired in R.A.O.C. workshops, columns (1), (2), (3), and (4) in the " Summary of Repairs " will be completed by the workshop staff before the A.B. 5 is returned to the unit. Columns (5), (6), (7) and (8) will also be completed if this can be done without delaying the return of the vehicle and A.B. 5 to the unit. If an A.B. 5 has to be returned to a unit without columns (5), (6), (7) and (8) being completed, the unit concerned will complete these columns when the costed copy of A.F. G 1045 (workshop indent) is received.

(*e*) A.B. 5, which will be completed with all records of mileage, etc., totalled up to date of despatch, will accompany the vehicle :—

(i) When the vehicle is sent to R.A.O.C. workshops or a Royal Ordnance Factory for repair or overhaul, and
(ii) when the vehicle is transferred from one unit to another.

The old A.B. 5, if such has existed and is in the units possession, will also accompany the vehicle.

(*f*) When an " A " or " B " vehicle passes out of the service, the relative A.B. 5 will be destroyed.

(*g*) On mobilization being ordered A.Bs. 5 of vehicles on charge of units included in the Field Force, will be forwarded to C.O.O. Chilwell, *see* para. **625.**

(*h*) For all " A " and " B " vehicles the old A.Bs. 5 will be retained with the unit for two years after the preparation of the new book. They will be held available for inspection at all times during that period, at the end of which they will be forwarded to the C.I.A., for retention.

610. A.B. 412 or A.B. 413 (active service log books) which will replace A.B. 5 on active service, will be issued with the vehicles in peace, and will accompany A.B. 5 on all transfers of the vehicle. Copies of Lists A, B and C will be inserted in all active service log books before they are issued initially. If applicable, copies of List D will be inserted by units when received. The lists will be amended as necessary by units during peace.

Copies of the appropriate " Table of Tools and Equipment for ' A ' vehicles for Peace and War " will be inserted in active service log books (A.B. 413) for " A " vehicles. These tables will be kept up-to-date by units during peace. Tables and amendments required for this purpose will be indented for on A.F. L 1394.

611. (*a*) On 31st October annually establishments and units at home and abroad will render a return on A.F. G 871A to the C.O.O. Chilwell, showing the vehicle state of " A " and " B " vehicles (and trailers).

(*b*) In addition they will render a report on A.F. G 871 to the C.O.O. Chilwell, immediately any of the following movements of " A " and " B " vehicles and/or trailers take place :—

(i) Receipts (from all sources other than C.O.O. Chilwell).
(ii) Issues (transfers to other units and returns to the R.A.O.C.).
(iii) To and from workshops in the case of " A " vehicles for *overhaul* only.

(iv) Accompanying unit detachments on charge of station.

(v) Disposal by unit on change of station; or other reason.

(vi) Disposal out of the service.

(*c*) In rendering the report on A.F. G 871 the following instructions will be complied with :—

(i) The report will be rendered direct to the C.O.O. Central Ordnance Depot, Chilwell, Notts, immediately the move takes place. A copy will be forwarded to the D.D.O.S. of the command and the A.D.O.S. of the area in which the vehicle was last stationed.

(ii) Receipts and issues will be shown separately but the same sheet may be used for both.

(iii) "A" and "B" vehicles and trailers will be shown in separate groups but the same sheet may be used for both.

(iv) For "B" vehicles and armoured cars, the "make" of vehicles will be shown.

(v) The authority for all moves will be stated in the remarks column.

(vi) Moves made by rail and date of entrainment will be shown.

(vii) Units abroad will report movements of "A" and "B" vehicles and trailers taking place under sub-para. (*b*), by Air Mail.

Ledgers, etc.

612. For accounting purposes, "A" and "B" vehicles and trailers, their vehicle equipment, accessories and spare parts will be divided into the following categories :—

(*a*) Vehicles (including components which form part of the complete vehicle).

(*b*) Vehicle outfits, *i.e.* the items of equipment and tools issued with each vehicle as detailed in the "Tables of Tools and Equipment for 'A' Vehicles for Peace and War" in the case of "A" vehicles, or in **Appx. 28** for "B" vehicles.

(*c*) Machine tools issued as equipment of certain vehicles, *e.g.* workshop lorries.

(*d*) Major spares and assemblies authorized in "Scales of M.T. stores for 'A' and 'B' Vehicles for Peace and War."

(*e*) Consumable stores, materials, and spare parts usually of minor value, which are required for running repairs and cleaning purposes *and are in common demand.*

613. Categories (*a*), (*b*), (*c*) and (*d*) above will be accounted for as ledger items; category (*e*) as non-ledger items.

614. Ledger items will be accounted for on A.F. G 3927, or alternatively, in A.B. 165, as directed by the financial adviser and auditor, or in commands where there is no financial adviser and auditor, by the War Office (F.7).

Ledger sheets will not be removed from the binders until the accounts for the year have been audited. The keys of the binders will be kept in the personal custody of the officer responsible for the account, unused sheets will, when opened, be initialled by the officer responsible for the account, who will satisfy himself that the sheet is actually necessary for recording additional transactions or for opening a new account, and is not in substitution for an existing sheet. Unused sheets will be kept by an officer under lock and key.

615. (*a*) In commands where there is a financial adviser and auditor, loose leaf ledger sheets (A.F. G 3927) will be kept as a continuous account and will be audited locally or otherwise under arrangements made with the financial adviser and auditor. The vouchers and stocktaking sheets will be forwarded to him when called for.

Accounts (other than those referred to in para. **616**) which have been kept in A.B. 165, will be balanced and closed annually on 31st March, and will be rendered to the financial adviser and auditor, together with the supporting vouchers, as soon after that date as possible.

(*b*) In commands abroad where no financial adviser has been appointed, the ledger sheets will be balanced annually on 31st March and will be forwarded to the War Office (F.7) as early as possible after that date, accompanied by the supporting vouchers. After audit the ledger sheets will be returned to the unit for further use.

In order to prevent interruption of work while ledger sheets are away from the station for audit, three sets of such sheets will be prepared, these will be used in rotation and continue in use until completely filled.

Accounts (other than those referred to in para. **616**) which have been kept in A.B. 165, will be balanced and closed annually on 31st March, and will be forwarded with the supporting vouchers to the War Office (F.7) as early as possible after that date.

616. Petrol and lubricants (R.A.S.C. supply) will be accounted for in accordance with the instructions in "Regulations for Supply, Transport and Barrack Services."

617. Non-ledger items will be accounted for as follows :—

(*a*) Units will open a separate series of issue and receipt vouchers which will be distinguished by the prefix "N.L." Vouchers will be numbered consecutively throughout the year, beginning on 1st April, annually. The stores will not be brought on quantity ledger charge, but will be recorded on a tally card (A.F. G 3928A), which will be filed in universal binders in alphabetical or numerical sequence as may be found most convenient. A tally card will be opened for each item of store drawn. Such forms will record the latest price of the article as shown on the priced voucher on which the stores are received from the R.A.O.C.

(*b*) Issues from a unit's stock will be made on production of a requisition (A.B. 43) signed by the officer or N.C.O. in charge of the vehicles. The requisition will, when possible, show the W.D. number of the actual vehicle for which the stores are required.

(*c*) When making the issues, the necessary entries will be made on A.F. G 3928A, and the requisition will then be filed by the storeholder to support the entry on the A.F. G 3928A.

(*d*) Issue and receipt vouchers for non-ledger stores drawn and returned will be priced by the ordnance depot. The value of the stores received by the unit (as indicated on the priced vouchers) will be recorded as follows :—

(i) *Costed units.*—The vouchers will be passed through the R.A.P.C. clerk, who will record the transactions in his N.L. Stores Day Book. At the end of each quarter, all receipts (less returns of surplus stores, if any, to R.A.O.C.) will be written off and the net total value will be spread over the unit's vehicles (including trailers) on the basis of vehicle days and the following vehicle-unit values :—

	Units.
Medium tank	5
Medium dragon	3
Light tank	2
Light dragon	2
Motor-cycles	$\frac{1}{5}$th
Trailers	$\frac{1}{5}$th
All other vehicles	1

Where, however, the value of any particular item of store issued to a vehicle appears to merit such treatment, the value will be charged direct to the vehicle to which issue is made, and will be excluded from the spread over.

(ii) *Non-costed units.*—The vouchers will be filed separately in a guard book together with a covering list on which the total value of each voucher will be shown. This list will be made available to financial advisers and auditors and C.I.A's representatives visiting the unit.

618. In order that units may have available to take into the field a comprehensive record of their war outfits, a tally card (A.F. G 3928A) for each ledger item included in the outfit (showing the authorized scale) will be filed in the binders containing tally cards relating to non-ledger items.

619. Items (ledger and non-ledger) included in Sections A and B "Scales of M.T. Stores for 'A' and 'B' Vehicles for Peace and War" which are held for mobilization vehicles will be stored centrally at unit headquarters, kept separately from those held for peace vehicles, and will be recorded on a separate set of tally cards (A.F. G 3928A).

When the same ledger item is held for both peace and mobilization vehicles, the total holding will be accounted for on one ledger sheet, but the peace and mobilization proportions will be recorded at the head of the sheet.

620. Light aid detachments permanently allotted to major mechanized units will not hold separate stocks, any stores required by the light aid detachment will be drawn from the units stocks and accounted for (by the unit) as detailed in paras. **612–617.**

Cost accounting.

621. Cost accounts will be prepared in respect of a certain number of "A" and "B" vehicles. The names of the units where vehicles are so selected for cost accounting are notified to commands by the War Office. The R.A.P.C. clerks attached to costed units will have access at all reasonable times to vehicle logs and supporting records, and will prepare for the O.C. unit from these records each quarter an account on A.F. N 7532. For "A" vehicles this account will be forwarded by the O.C. through the usual channels to the Under-Secretary of State (O.S. 5), The War Office. In the case of "B" vehicles the account will be forwarded by the O.C. through formation and area headquarters, to "Q" branch at command headquarters, whence, after distribution

to other branches concerned and to the financial adviser and auditor, it will be transmitted to the Under-Secretary of State (O.S. 6), The War Office.

Stocktaking.

622. A complete stocktaking of all vehicles and stores in possession will be carried out once a year by the O.C. or an officer deputed by him for that purpose. Continuous stocktaking is, however, permissible in units where A.F. G 3927 is in use, provided that the whole of the stock is verified in each year. Ledger sheets will be balanced *on stocktaking only*.

The results of stocktaking will be recorded on A.F. G 987 which will be available for inspection by the financial adviser and auditor when required. In commands where no financial adviser and auditor has been appointed, A.F. G 987 will accompany the account when rendered for audit.

Registration and Licensing

623. Instructions as regards the registration and licensing of W.D. mechanically propelled vehicles in Great Britain and the Northern Ireland District are contained in **Appx. 56.**

Accidents.

624. (*a*) In all cases of accident, a report on A.F. A 3676 will be completed, and the unit commander concerned will make an immediate investigation.

(*b*) Where the damage to W.D. property does not exceed £50 and no third party claims are involved, the unit commander will, if he deems it necessary, convene a court of inquiry in accordance with King's Regulations, 1940, para. 769.

Where the damage to W.D. property is over £50 or where third party claims are involved, the matter will be reported to the G.O.C.-in-C., who will convene such court of inquiry as may be required by Kings' Regulations, 1940, paras. 769 or 770.

(*c*) If the accident is considered to be due to a mechanical defect, the matter will be reported immediately to the area S.O.M.E., who will take necessary action under paras. **590** and **591** as regards "A" and "B" vehicles.

(*d*) Where the amount of W.D. damage (excluding overhead charges) does not exceed £4, and provided that no civilian person, vehicle, animal or property is involved, the unit commander is empowered to authorize the necessary repairs at the public expense (subject to any stoppages that may be made from any individual soldier).

Where, however, the amount of damage exceeds £4, or civilian persons, vehicles, animals or property are involved,

the unit commander will submit the report on A.F. A 3676 to higher authority, accompanied by the proceedings of the court of inquiry, if one has been convened by him. Where damage or injury has been done to the property or persons of third parties, the report will state as nearly as can be estimated without reference to the third party, the probable extent of the claim or claims.

When a court of inquiry is held, one of the members must be an official qualified to give technical evidence, and where there is any doubt as to the accident being due to a mechanical defect, the court will be adjourned for the attendance of a representative of the C.I.A. The proceedings of the court will be dealt with in accordance with para. **94** where there has been loss of or damage to Government vehicles or stores, but where no such loss or damage has been incurred, the proceedings will be transmitted by the president to the convening officer for submission to command headquarters.

(*e*) When action for recovery of cost of damages is taken against any individual soldier, the amount will be assessed on the lines indicated in paras. **115** and **116** as modified by King's Regulations, 1940, para. 595.

(*f*) In cases to which they are applicable, the instructions in the pamphlet entitled "Collision Agreements, 1940," will be observed.

(*g*) When it is necessary to inform insurance companies, solicitors, or civilians of the cost of repairing damage to W.D. vehicles an "all in" figure will be given. If a specific application is received for the cost of labour, materials, etc., to be shown separately the inquirer may be given a brief description of the repairs necessitated by the accident together with the total cost of material used and the total cost of labour including "on costs." Details of the material used *must not* be given and as regards the labour element the figure must be quoted as "labour inclusive of on costs."

Procedure on Mobilization.

625. On the first day of mobilization, O.C. units included in the Field Force will arrange as follows :—

(*a*) A.Bs. 5 will be closed and sent to the C.O.O. Chilwell and A.B. 412 (for "B" vehicles) and A.B. 413 (for "A" vehicles) will be taken into use.

(*b*) A.Fs. G 3519 and, in the case of tracked vehicles S.O. Books 136, will be discontinued as and when A.Bs. 5 have been closed. The completed copies of A.F. G 3519 will be inserted in their respective A.Bs. 5 before the latter are disposed of.

(*c*) A.F. G 3518 will continue to be used in respect of all wheeled vehicles, the following detail only being completed on the forms :—

(i) Authority for journey and brief description.

(ii) Total mileage performed.

(iii) Amount of petrol consumed.

(*d*) Action will be taken as laid down in Mobilization Regulations, or as may be specially ordered by the War Office to dispose of any mechanically propelled vehicles and M.T. stores not forming part of the unit's war equipment. Immediately before the date on which the unit leaves the station for embarkation, the M.T. ledger will be handed over to the officer i/c details, the vehicles and stores which will be taken by the unit first being written off charge by certificate issue voucher (a copy of the relevant A.F. G 1098 appropriately amended as regards quantities, etc., may, if desired, be used as the certificate issue voucher). The officer i/c details will, if necessary, complete the disposal of any vehicles and/or stores which may remain in hand, and will then close the ledger and render it for audit, with all relevant vouchers.

(*e*) During the process of mobilization, petrol and lubricants will (subject to (*a*), (*b*) and (*c*) above) continue to be accounted for as directed in Regulations for Supply, Transport and Barrack Services, 1930, Appx. XXXV.

On the day preceding that on which the unit leaves the station for embarkation, the petrol and lubricants account (A.B. 165), with all vouchers and A.F. G 3518 and S.O. Books 136, will be handed over to the officer i/c details. The latter will take the necessary steps to dispose of any stocks of petrol, lubricants, containers, etc., remaining on hand, and will then close the account and render it for audit, with all relevant vouchers and A.F. G 3518, and S.O. Books 136.

(*f*) Units not included in the Field Force will continue the normal peace system of accounting for M.T. vehicles and stores, and petrol and lubricants, until they receive orders to proceed overseas, when they will take action as directed in (*a*), (*b*), (*c*), (*d*) and (*e*) above.

Other Instructions.

626. Attention is directed to the following :—

Chapter 6	...	Mobilization equipment.
Para. 28	...	Indents for stores for "A" and "B" vehicles.
Para. 229	...	Use in peace of machinery and breakdown vehicles held as mobilization equipment for R.A.O.C. mobile workshops.
Para. 415	...	Outfits, first aid, for tanks and armoured cars.
Chapter 20	...	Mechanical vehicles transport by rail and sea.
Appendix 19		Machine gun and mounting spares carried in transport vehicles of A.F.V. units.
Appendix 27		List of components, accessories, spare parts, etc.
Appendix 30		Materials for painting vehicles.
Appendix 52		Instructions for marking vehicles.

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APPENDIX 1

(*Referred to in paras.* **19, 20, 103** *and* **147**)

EQUIPMENT LEDGERS—INSTRUCTIONS FOR KEEPING

1. The ledgers will (subject to paras. **107, 123, 276, 612–620**) contain a record of all equipment received or issued. A regimental record of the stores detailed in **Appx. 4** will be maintained by the unit, showing the W.D. registered numbers, or where such do not exist, the maker's name and number. In the event of any of these articles having no such number, the remark " no identification mark exists " will be entered. This record will not be rendered for audit, but will be available for inspection by the financial adviser and army auditor.

The ledgers will remain open and in use until called for by the financial adviser and army auditor of the War Office for audit. When so called for, they will be balanced and the balances carried into new ledgers. The vouchers will be laid flat in the equipment ledger.

2. (*a*) Copies will be kept of all equipment ledgers sent for examination, except in cases where separate ledgers are kept for mobilization equipment, *see* (*b*). Should any queries arise on the examination of the ledgers, copies of such queries and of the replies thereto will be retained by the accountant, who will correct his copy of the ledger accordingly.

(*b*) In cases where a separate ledger is maintained for mobilization stores (equipment and clothing), it will be kept in original only as a " continuous " account, and will be balanced and rendered for audit at the same time as the ordinary peace equipment ledger.

It will be accompanied by the following certificate :—

I certify that—

(*a*) the stores (*i.e.*, equipment and clothing) on charge at * ..... agree († .....) in quantities and numbers with (i) those actually in possession of the unit and (ii) those authorized to be held by the unit.

(*b*) the stores are in all respects fit for service.

* Here insert the date on which the account is balanced.
† Insert, if required, except as detailed in the accompanying statements.

(*c*) the filled chests and other stores accounted for in sets are complete in accordance with the latest regulations.

(*d*) this account has been carefully examined as show below.

.....
Signature of Officer Commanding.
Regiment.
Station.
Date.

This account has been carefully examined by me and found correct.

Signature of Officer who examined the Account. (Not the Accounting Officer.) .....

The " remain " at the end of each period will be shown immediately below the last transaction on each folio. A balance sheet will be prepared at the same time, which will be forwarded to the local auditor under separate cover. A.F. G 1098 may be used for this purpose, for equipment, if considered suitable, and in the case of clothing and necessaries for reservists the report of the stocktaking board on A.F. H 1164A will be used. After audit the ledger will be returned to the unit and will be continued in use until completely filled.

3. When equipment is transferred from one accountant to another, stock will be taken by the board referred to in para. **19** of these Regulations. Any stores found to be surplus will be brought on ledger charge by certificate receipt voucher, which will be signed by the officers who sign the certificate referred to in para. **5** below. Deficiencies will be struck off charge and dealt with as laid down in King's Regulations.

4. A balance will then be struck as directed in para. **15** below, which will show the total of each article of equipment for which the officer, who takes over command, is responsible.

5. The following certificate will then be furnished, and will accompany the equipment ledger when rendered for audit :—

We certify, in accordance with Equipment Regulations, Part 1, para. **19,** that on the transfer of the equipment of the (*a*) on the (*b*) the whole has been inspected by us, and has been found to be

(*a*) Here insert the unit. (*b*) Here insert the date.

properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger, except the items shown on the accompanying statement (*c*).

President .....

Members { .... }

..... Officer giving over charge.

..... Officer taking over charge.

6. Os.C. detachments referred to in para. **114** of these Regulations will render equipment accounts in accordance with these regulations, so long as they remain independently detached.

7. When a detachment of infantry is attached to a battalion the equipment will be transferred by voucher to the O.C. the battalion, but will be accounted for by him in a separate ledger, A.B. 239.

Upon such a detachment returning to its own unit or being transferred to another unit, the detachment ledger will be closed and rendered for audit, together with its vouchers, to the War Office or local audit office.

8. On a unit being disbanded or embarking for India or Burma, the equipment ledger will, except as provided below, be balanced and forwarded to the financial adviser and army auditor (or to the War Office, in a command where audit is not local).

This instruction will not apply to units going to India or Burma in cases where an officer i/c details is appointed to await arrival of the relieving unit. In such cases the equipment ledger will be transferred to the officer i/c details (the procedure laid down in paras. **3** to **5** of this Appendix being followed). The stores will be vouchered by him to the relieving unit on its arrival, and the ledgers will then be finally closed and rendered for audit.

9. Stores supplied in sets or as complete articles, for which a single heading is provided in the printed equipment ledger, will be so accounted for. Thus, chests with tools will be shown as " chests, tool, filled." A certificate will be given at the end of the ledger by the C.O. that the sets and tool chests are complete and contain the articles that should be comprised in them as detailed in the regulations. When articles charged

(*c*) This statement will include the articles in possession of warrant officers, N.C.Os. and men temporarily detached (*see* para. **133**).

in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail of the set. Articles drawn from the R.A.O.C. to replace losses, etc., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

Transactions in component parts of complete articles will be recorded in the ledgers in the same way (*but see* para. **107**).

If the two transactions do not occur in the same period of account, explanatory cross references will be given on each of the vouchers concerned.

10. All transactions of receipt and issue that should be recorded in the ledgers will be posted therein as soon as possible after they occur, and will be supported by vouchers.

11. Vouchers for stores issued are called issue vouchers, and are posted on the right-hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left-hand or debit side of the ledger.

12. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only in the column of the voucher headed " total number or quantity," the columns S. R. D. and U. being left for use of the R.A.O.C.

13. The ledger folios on which entries are made should invariably be recorded on the vouchers supporting the account in the column headed " ledger folio."

14. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger.

In the event of its being necessary to put up with the account blank vouchers to account for missing numbers, a brief explanation, signed by an officer, should be given on the blank vouchers. The addition of letters or sub-numbers to the numbers of vouchers is prohibited.

15. The ledger is balanced by adding up the receipts on the left-hand side, and the issues on the right-hand side of the ledger. The total issues are then brought over to the left-hand side and written immediately under the total receipts, the quantities left becoming the ledger balance, or " remain." The remain, when carried forward as the commencing line of the next account, is called the " state."

16. When the ledger has been balanced, the O.C. will certify (*a*) that the stores shown as remaining on charge at the

close of the account have been verified and found to agree in quantities and numbers with those actually in possession of the unit; (*b*) that the regimental record mentioned in para. 1 of this Appendix has been correctly maintained; (*c*) that the registered numbers of the articles detailed in **Appx. 4** have been checked with those listed in the record and found to agree. When forwarding the ledgers for audit the C.O. will also certify that the account has been carefully checked and the remain correctly transferred to the new ledger by an officer appointed by him for that purpose, who will sign the ledger in evidence of such examination.

17. Officers will take care that the ledgers and vouchers are not ticked or altered with coloured pencil or coloured ink, and that no erasures are made. No entries in blacklead pencil will be made, either in the ledgers or on the vouchers. The duplicate copies of receipt vouchers, after being numbered as instructed in para. **14** above, will be signed in black ink or indelible pencil and returned to the consignor. Any necessary corrections will also be made in black ink or indelible pencil and will be duly initialled, in the case of vouchers by the person who signs the vouchers, and in the case of ledgers by the responsible accounting officer, but the original entries should remain legible.

18. In order to assist C.Os. in accounting for equipment distributed to companies, squadrons or detachments, A.F. B 292 for cavalry and A.F. B 293 for other arms will be rendered quarterly to the O.C., who will then compare the totals of the stores shown in these returns with the numbers or quantities shown in the equipment ledger.

19. The attention of equipment accountants is specially directed to the provisions in these Regulations in regard to the following:—

	Paragraph.
Stores, etc., in excess of authorized proportions	5
Dispensing with stocktaking board	20
Indents and authority for issue	29
Issues to units on payment	41
Vouchering of stores returned to the R.A.O.C.	62, 64
Accounting for fired ammunition cases	88
Condemnation of stores	94, 111
Loss, injury or destruction of stores or equipment	96, 109–111
Consumable articles and materials for repair	107, 434

	Paragraph.
Accounting for ammunition	108
Stores condemned locally	71, 112
Loss by desertion	118
Verification of list of official books, etc.	124–126
Stores for cleaning, preservation and repair of mobilization equipment	251
Officers' saddlery	299
Stores for instruction in field training	293

Active Service

20. On receipt of orders to mobilize, the O.C. a unit of the Expeditionary Force will prepare to transfer the equipment account to the officer in charge of details left behind.

21. After the unit has been placed under orders for active service and before leaving its place of mobilization, the C.O. will write off charge in the ledger by certificate voucher the whole of the equipment taken by the unit.

22. The balance of the peace equipment, with the ledger, will be handed over to the officer in charge of details immediately prior to the unit leaving its place of mobilization for active service.

23. If after the ledger has been handed over, but before embarkation or taking the field, the C.O. issues stores or equipment to another unit or corps, he will notify the O.C. details, who will obtain a receipt from the receiving officer. The O.C. details will not enter the transaction in the ledger but will forward the receipt with the vouchers accompanying the account.

24. The O.C. details will arrange with the A.D.O.S. for the return of all surplus equipment in his charge to the R.A.O.C., and as soon as the men left behind have been transferred with their equipment, the ledger will be closed and rendered for audit.

25. If no officer of the unit is left with the details, the O.C. will apply to the G.O.C. to nominate an officer to carry out, in conjunction with the O.C. the unit, the above instructions.

26. Units of the Expeditionary Force formed on mobilization (except hospital ships) which do not exist in peace will not open equipment ledgers.

27. Units other than those allotted to the Expeditionary Force will not close their accounts on a general mobilization, unless ordered to do so by the War Office.

Re-opening Accounts on Demobilization

28. At the earliest possible date after the termination of hostilities, or on the return of the unit to peace conditions, a regimental board of officers will be assembled. This board will take stock in detail of all equipment in possession of the unit, whether supplied from store, purchased, captured, or commandeered, and the stock then found by the board will form the opening balance of a new equipment account, which will be kept thenceforward by the unit as a peace account. The stocktaking board will furnish the C.O. with a certificate that the stock, as entered in the state of the new ledger, agrees with the quantities as found by them, and this certificate will be forwarded with the account when it is rendered for audit.

29. On the earliest convenient opportunity after the opening of the new accounts, the stocks and the accounts of units will be checked by specially appointed officials or members of the financial adviser and army audit staff as may be decided by the War Office.

APPENDIX 2

"A" AND "B" VEHICLES—ACCOUNTING INSTRUCTIONS

NOTE.—Now incorporated in **Chapter 22.**

APPENDIX 3

(*Referred to in paras.* **45, 153** *and* **155**)

EQUIPMENT OF UNITS PROCEEDING TO OR RETURNING FROM INDIA OR BURMA

Units

1. All units normally move equipped as drafts. The procedure will follow that laid down in para. **2** for drafts.

Drafts

2. The small arms and equipment of drafts, except those of the Hong Kong Mule Corps, Indian personnel of the Military Hospital, Kowloon, and Indian personnel attached to the 9th Heavy Battery, R.A., Aden, will be dealt with as detailed below. Care must be taken to ensure the replacement of unserviceable articles before embarkation. Ordinary receipt and issue vouchers, which must be enfaced across the top with the name of the vessel by which the drafts are proceeding to India or Burma, will be prepared and forwarded, immediately after embarkation, to the unit or units in India or Burma to which the men have been posted. A copy of A.F. G 1033 will also be forwarded to the Controller of Military Accounts through the embarkation commandant at the port of disembarkation in India or Burma.

The Hong Kong Mule Corps, Indian personnel of the Military Hospital, Kowloon, and Indian personnel attached to the 9th Heavy Battery, R.A. Aden, will be subject to special regulations which will be communicated from time to time to all concerned.

WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN

(*a*) In ordinary circumstances warrant officers, N.C.Os. and men will proceed to or return from India or Burma unarmed, but will take the following articles of equipment :—

(i) If equipped with web equipment :—

Haversacks (with brace with buckle).
Water-bottles (with carrier and brace with buckle).
Mess-tins.

To avoid breaking up complete sets of pattern 1937 web equipment, all drafts will be equipped with serviceable part worn items of pattern 1908 web equipment as draft equipment.

(ii) In all other cases :—

Haversacks (with brace with buckle where necessary).
Water-bottles (with carrier and shoulder strap).
Mess-tins (with strap).

(iii) Sam Browne accoutrements (warrant officers) where authorized under E.R., Part 2.

(*b*) When special instructions are issued by the War Office or the Government of India (or Burma), warrant officers, N.C.Os. and men will proceed to or return from India or Burma with such small arms and equipment as may be directed.

(*c*) MS. returns for small arms and equipment referred to in (*b*) will be rendered to the War Office, showing the numbers and condition of each article and giving a reference to the special instructions issued.

(*d*) Warrant officers, N.C.Os. and men who, on arrival from India or Burma, are in possession of equipment which has been improperly marked will be required to pay the cost of each article defaced.

3. A draft proceeding to join at an intermediate port a unit which is to embark for India or Burma on the same ship will be equipped as a draft proceeding direct to India or Burma ; if, however, the draft is to disembark at an intermediate port to join a unit which is subsequently to embark for India or Burma, the draft will be equipped as a draft proceeding to the station abroad at which the unit is serving.

4. When men are sent home from India or Burma on courses of instruction, the C.O. concerned will ensure that separate I.A.Fs. Z 2096 for the equipment detailed in para. **2** of this appendix are prepared in duplicate for each man, showing thereon the army number and the name of the man to whom they refer, and forwarded to the O.C. the unit or establishment to which the man is sent. The equipment will be brought on ledger charge and copies of the I.A.F. Z 2096 duly receipted, will be returned to the unit in India or Burma. On completion of the course of instruction a similar procedure will be carried out when the men return to India or Burma, except that A.F. G 1033 will be used in lieu of I.A.F. Z 2096.

5. When men are sent home from India or Burma for any of the reasons detailed in para. **157**, I.A.F. Z 2096 will be used in lieu of A.F.G. 1033.

APPENDIX 4

(*Referred to in paras.* **63, 428** *and* **Appx. 1**)

LIST OF STORES THE REGISTERED NUMBERS OF WHICH ARE TO BE ENTERED IN THE REGIMENTAL RECORD MAINTAINED BY THE UNIT, AND TO BE QUOTED ON VOUCHERS, PACKING NOTES AND WORKSHOP INDENTS

*Section B*1

Pistols, revolver.*
Rifles.*

*Section C*1

Machine Guns.*

*Section C*3

Bicycles.*

*Section V*1

Anemometers, electrical.
Apparatus, illuminating sight.
,, rangefinding, attachments, horizontal.
,, ,, brackets, horizontal, receiver, microphone.
,, ,, position finders.
Binoculars, night.
,, prismatic and non-prismatic.
Boards, camera, auto-developing.
,, galvo., einthoven.
Cases, stand, director.
Chronographs, Jacquet.
Clinometers, field.
,, inspectors.
,, sight.
,, Vickers ·303-in. machine gun.
Directors.
Galvos., einthoven.
Height and Rangefinders.
Instruments, angle of sight.
Lanterns, galvo.
Lath, adjusting artillery rangefinders.
Monoculars, prismatic.
Motors, series, sound-ranging.
Paralleloscopes.
Periscopes, Nos. 14A and 25.
Plotters, field.
,, observation of fire.
Predictors, 3-in. 20-cwt. H.A.
Range, artillery miniature.
Rangefinders, artillery.
,, depression.
,, infantry.

* Not in the case of issues by C.I.S.A. and C.O.O. Weedon.

Section V1—continued

Relays, starting, S.R.
Sights, dial.
Stands, artillery rangefinders.
,, director.
,, parallelloscope.
,, signalling telescope.
,, stereometer.
,, stereoscopic telescope.
,, variable power telescope.
Switches, power, S.R.
Telescopes, garrison.
,, marine.
,, sighting.
,, signalling.
,, stereoscopic.
,, variable power.
Testboards, 40 pair test and balancing.
Tuning forks, S.R.

Section V2

Alidades, telescopic.
Barometers, aneroid.
,, standard.
Clinos, Indian.
Compasses, magnetic, pocket.
,, prismatic.
,, ,, liquid.
Levels, telescopic.
Sextants, pocket.
Theodolites.
Watches, G.S.
,, R.A.
,, stop.

Section W1

Dials, miners.
Gauges, pressure, standard.

Section W2

Bridgemegger, 500 volts, 40 megohms.
Coils, resistance.
Exploders, dynamo.
Galvanometers.
Meg, insulating testers.
Torches, signalling.
Volt-ammeters.

Section X2

Generating sets (engine, magneto and dynamo members).

Section Z1

Amplifiers.
Compasses, magnetic, W.T.
Reception sets.
Senders.
Voltmeters, pocket.
Watches, non-magnetic, W.T.
Wavemeters.
Wireless sets.

Section Z2

Charging sets.
Engines.
Galvos.
Generators.
Magnetos.
Measuring sets—
Aerial.
Capacity.
Inductance.
Oscillators, C.W., valve.
Power units.
Tachometers, hand, 12,000 r.p.m.

All vehicles.

All items of equipment which have history sheets, log books, or similar records belonging to them.

APPENDIX 5

(Referred to in para. **237**)

RETURN OF DEFICIENCIES IN MOBILIZATION EQUIPMENT AND RESERVISTS' OUTFITS

On charge of (unit) .....

(Station) .....

(Date) .....

Number of Reservists on books .....

Reservists' outfits actually stored—

Rifles..... Pistols ..... Cavalry swords .....

Accoutrements, sets .....Clothing, sets .....

Necessaries, sets .....

To be completed by unit.			To be completed by R.A.O.C.		
Designation.	No. deficient.	Indent No. and date on which demanded.	Action taken under R.A.O.S., Part I, 1937, para. 723.	I.O. Nos. of demands for stores due from C.O.Ds. (para. 7 (*a*), A.F. G 1081)	Remarks of C.O.O., C.O.D., as to state of supply (para. 7 (*a*), A.F. G 1081)

APPENDIX 6

(Referred to in paras. **360, 362, 366** *and* **562**)

TOOLS FOR ARMOURERS

TABLE 1.—TOOLS AND GAUGES FOR THE REPAIR OF SMALL ARMS AND MACHINE GUNS

Notes :—

1. Column A = Peace.
   „ B = In the Field.
2. The tools and components authorized on mobilization are to be taken from those held in peace.

Designation.	A.	B.	Remarks.
Section B1			
Pullthroughs—			
Gauze	—	30	(*a*) For carrying tools required to effect repairs, adjustments, etc., to guns at a distance from station to workshop.
Double, Mk. I "A"	—	3	
Cords, double	—	3	
Rifles, Boys, Mk. I—			
Catches, magazine	—	3	
Ejectors	—	1	
Extractors	—	1	
Pads, shoulder-piece	—	4	
Rests, cheek	—	2	(*b*) Double this quantity for units with second armourer.
Screws—			
Recoil reducer	—	3	
Pad, shoulder piece	—	4	
Segments, ring, breech, bolt ...	—	2	(*c*) For Pistols, revolver, No. 1 and Pistols, signal, No. 1, Mk. III.
Springs—			
Catch, magazine	—	3	
Sear, Mk. II	—	3	
Striker	—	1	
Pawl trigger	—	1	
Strikers	—	3	(*d*) For Pistols, revolver, No. 2.
Stops, ejector	—	6	(*e*) For Rifles, No. 1.
Rifles, No. 1—			
Bands, outer	—	10	(*f*) For Rifles, No. 3.
Bolts, locking	—	10	
Catches, safety	—	10	(*g*) For Jute.
Cocking-pieces, "B"	—	5	(*h*) For use with brass wire.
Extractors	—	20	
Heads, breech bolt	—	10	(*i*) Alternative Buck and Hickman, Fig. 1359 or similar.
Screws—			
Spring, bolt, locking	—	10	
Striker	—	5	
Swivel	—	20	
Sears	—	5	

TABLE 1—*continued*

Designation.	A.	B.	Remarks.
Section B1—continued			
Rifles, No. 1—*continued*			
Springs—			
Extractor	—	20	(*k*) 3 additional for units with second armourer.
Bolt, locking	—	10	
Swivels—			
Piling "B" or "A"	—	10	(*l*) For unit armourers having Swords cavalry, on charge.
Sling	—	5	
Washers, spring, bolt, locking ...	—	10	(*m*) For armourers of units holding 7·92 Besa guns.
Section B2			(*n*) For armourers of units holding 15 mm. Besa guns.
Bags, armourers, S.A., Mk. I ...	2 (*a*)	2 (*a*)	
Boxes, tool, armourers, empty ...	1	1	
Braces, armourers, Mk. III ...	1 (*b*)	1 (*b*)	
Bits—			
Cleaning, No. 1	1	—	
,, No. 2	1	1	
Rimer, ½ round	1	—	
,, 5 square	1	—	
Screwdriver—			
Front guard screw	1 (*b*)	1	
Swivel screw	1 (*b*)	1	
Stock bolt	1 (*b*)	1 (*b*)	
Brushes, bristle, Mk. I	1	1	
Clams, No. 1—			
"A" ... ... pr.	1	—	
"B" ... ... ,,	1	1	
Cleaners, breech, Mk. I	1	—	
Corks	4	—	
Drifts, armourers—			
No. 1	1 (*b*)	1 (*b*)	
No. 2	1 (*b*)	1 (*b*)	
No. 3	1 (*b*)	1 (*b*)	
No. 4	1 (*b*)	1 (*b*)	
No. 5	1 (*b*)	1 (*b*)	
Floats—			
Large	1	1	
Small	1	1	
Gauges, armourers—			
·052-in.	1	—	
·064-in. No. 1	1 (*b*)	1 (*b*)	
·064-in. No. 2	1 (*f*)	—	
·067-in.	1	—	
·074-in. No. 1	1 (*b*)	1 (*b*)	
·074-in. No. 2	1 (*f*)	—	
·4-in.	1	1	
·41-in.	1	1	
Hammer, point—			
No. 1	1 (*c*)	1 (*c*)	
No. 2	1 (*d*)	1 (*d*)	
Plug—			
·301-in.	1	1	
·303-in.	1	1	
·352-in.	1	—	
·358-in.	1	—	
·55-in.	1	1	

TABLE 1—*continued*

Designation.	A.	B.	Remarks.
Section B2—continued			
Gauges, armourers—*continued*			
Stock bolt	1	—	
Striker point, No. 1	1 (*b*) (*e*)	1 (*b*) (*e*)	
No. 2	1 (*f*)	1 (*f*)	
No. 3	1	1	
Implements, action—			
No. 1, Mk. II	1	—	
No. 2, Mk. I	1	—	
Keys, sight	1	1	
Mallets, scabbard	1	—	
Mandrils, No. 1	1	—	
No. 2	1	—	
No. 3	1	—	
No. 4 or 5	1 (*l*)	—	
Pincers, armourers ... ... pr.	1 (*b*)	1 (*b*)	
Plates, screw and taps, S.A.—			
Plates A to F	6	—	
Taps, Nos. 1 to 3—			
Plug	13	—	
Taper	13	—	
Wrenches	1	—	
Rods, cleaning—			
Pistol, No. 2, Mk. I	1	—	
Rifle, Boys, No. 1, Mk. I ...	1	1	
,, ,, No. 2, Mk. I ...	1	—	
Brushes, wire	2	1	
Loops	2	1	
Saws, clearing	1	—	
Screwdrivers—			
Armourers—			
Large	1 (*b*)	1 (*b*)	
Small	1 (*b*)	1 (*b*)	
Extractor, screw	1 (*b*)	1 (*b*)	
Forked, No. 1	1 (*b*)	1 (*b*)	
No. 2	1 (*b*)	1 (*b*)	
No. 3	1 (*b*)	1 (*b*)	
Spanners, tubular, Mk. I	1	1	
Sticks—			
Buff	3	—	
Carborundum	1 (*b*)	1 (*b*)	
Testers, trigger, "F"	1	—	
Tools—			
Bore—			
Bits	6	6	
Bushes	2	2	
Plugs	1	1	
Rods	1	1	
Cleaning—			
Bushes	1	—	
Guides, No. 2	1	—	
,, No. 3	1	—	
Rods, No. 1	1 (*g*)	1 (*g*)	
,, No. 2	1	—	
,, No. 4	1 (*b*) (*h*)	1 (*h*)	
Sticks	1 (*b*)	1 (*b*)	

TABLE 1—*continued*

Designation.	A.	B.	Remarks.
Section B2—continued			
Tools—*continued*			
Combination, rifle, Boys, Mk. I	1	—	
Foresight—			
Cramps—			
No. 1, Mk. II	1 (*b*)	1 (*b*)	
No. 2	1 (*f*)	1 (*f*)	
Punches	1 (*b*)	1 (*b*)	
Guard, hand	1	—	
Removing forsight, bracket, Mk. I	1	—	
Sight line	1	—	
Scribers	1	—	
Spring extractor	1 (*b*)	1 (*b*)	
Striker—			
No. 1	1 (*b*)	1 (*b*)	
No. 2, Mk. II	1 (*b*)	1 (*b*)	
Stripping bolt	1 (*f*)	1 (*f*)	
Wad	1	1	
Vices, parallel, armourers	1 (*i*)	1 (*i*)	
Section C1			
Balances, spring, M.G., Mk. I ...	1	1	
Boxes, carrier, magazine, Lewis ·303-in. M.G., Mk. I	1	1	
Brushes, rod, cleaning, cylinder, Bren, ·303-in. M.G., Mk. I ...	1	1	
Cleaners, gas regulator, Bren, ·303-in. M.G.—			
Mk. I ... ... set	1	1	
Mk. II ... ... ,,	1	1	
Gauges—			
Concentricity of magazine, Lewis ·303-in. M.G., Mk. I	1	—	
Firing, pin point, Bren, ·303-in. M.G., Mk. I	1	1	
Striker point, Lewis ·303-in. M.G. Mk. I	1	1	
Jacks, Lewis ·303-in. M.G., Mk. I	1	—	
Mandrills, magazine, Bren, ·303-in., M.G., Mk. I	1	—	
Mops, rod, cleaning, cylinder, Bren, ·303-in. M.G., Mk. I	1	1	
Reflectors, mirror, ·303-in. M.G., Mk. I	1	1	
Rods, cleaning cylinder, Bren, ·303-in. M.G., Mk. I	1	1	
Tools—			
Combination, Bren, ·303-in. M.G. Mk. I	1	1	
Combination, Vickers ·303-in. M.G., Mk. I	1	1	
Magazine, Bren, ·303-in., M.G., Mk. I	1	—	
Magazine, Lewis, ·303-in. M.G., Mk. I	1	—	
Repairing mountings, tripod, ·303-in. M.G., Mk. IV—			
Punches, swaging, plain ...	1	1	
,, ,, ring ...	1	—	

TABLE 1—*continued*

Designation.	A.	B.	Remarks.
Section C2			
Cans, oil, M.G., Mk. II	1	1	
Cleaners, gas regulator, Besa—			
7·92-mm. ... ... set	1 (*m*)	1 (*m*)	
15-mm. ... ... ,,	1 (*n*)	1 (*n*)	
Pullthroughs, ·5-in., Mk. IA ...	1	1	
Gauze	10	10	
Sticks, breech, Besa, 15-mm. M.G., Mk. I	1 (*n*)	1 (*n*)	
Tools, combination, Vickers, ·5-in. M.G., Mk. II or Mk. IB ...	1	1	
Section C2 (N.I.V.)			
Gauges, armourers—			
Besa 7·92-mm. M.G.—			
Head space, 47·42-mm. ...	1 (*m*)	1 (*m*)	
,, ,, 47·22-mm. ...	1 (*m*)	1 (*m*)	
Firing pin point { H. 1·55-mm. / L. 1·10-mm. }	1 (*m*)	1 (*m*)	
Plug, barrel 7·85-mm. ...	1 (*m*)	1 (*m*)	
Besa 15-mm. M.G.—			
Head space 87·92-mm. ...	1 (*n*)	1 (*n*)	
,, ,, 88·12-mm. ...	1 (*n*)	1 (*n*)	
Firing pin point { H. 17·4-mm. / L. 1·00-mm. }	1 (*n*)	1 (*n*)	
Plug, barrel 15-mm.	1 (*n*)	1 (*n*)	
Section F			
Braces, carpenters, bits—			
Countersunk rose	1	—	
Rimer	1	—	
Screwdriver, $\frac{3}{8}$-in.	1 (*b*)	1 (*b*)	
Brushes, sash tool, No. 8	1 (*b*)	1 (*b*)	
Cans, oil, lubricating, conical ...	1	—	
Chisels—			
Cold, $\frac{1}{2}$-in.	1	1	
Firmer, $\frac{1}{4}$-in.	1	1	
,, $\frac{1}{2}$-in.	1	1	
,, $\frac{3}{4}$-in.	1	1	
Drills—			
Stock, hand	1	1	
Twist, parallel shank, $\frac{3}{32}$-in. ...	1	1	
,, ,, ,, $\frac{15}{64}$-in. ...	1	1	
,, ,, ,, $\frac{1}{4}$-in. ...	1	1	
Twist, wire—			
No. 2	1	1	
No. 5	1	1	
No. 12	1	1	
No. 16	1	1	
No. 22	1	1	
No. 28	1	1	
No. 30	1	1	
No. 35	1	1	
No. 42	1	1	
No. 47	1	1	
No. 52	1	1	
No. 58	1	1	

TABLE 1—*continued*

Designation.	A.	B.	Remarks.
Section F—continued			
Files—			
Bastard—			
Flat, 6-in.	2	1	
Half-round, 6-in.	2	1 (*b*)	
,, 8-in.	1	1	
,, 10-in.	1	—	
Round, 6-in.	1 (*b*)	1	
,, 8-in.	1	—	
Square, 8-in.	1	1	
Knife, 4-in.	1 (*b*)	1	
,, 6-in.	1	—	
Dead smooth, half-round, 6-in.	1 (*b*)	1	
Saw, taper, second cut, single—			
3-in.	2	—	
8-in.	1	1	
Second cut—			
Hand, safe edge, 8-in. ...	1 (*b*)	1 (*b*)	
,, ,, 12-in. ...	1	—	
Half-round, 4-in.	1 (*b*)	1 (*b*)	
,, 8-in.	1	1	
Round, 4-in.	2	1	
Warding, cut on both sides, 4-in.	2	1	
Smooth—			
Flat, 6-in.	1 (*b*)	1 (*b*)	
Half-round, 4-in.	1	—	
,, 6-in.	2	1	
,, 8-in.	1	—	
Hand, safe edge, 4-in. ...	1 (*b*)	—	
,, ,, 6-in. ...	1 (*b*)	1	
,, ,, 8-in. ...	1 (*b*)	—	
Knife, 4-in.	1	—	
Pillar, 3-in.	1 (*b*)	1	
,, 5-in.	2	1	
Round, 4-in.	1	—	
,, 6-in.	1	—	
Three square, 4-in.	1	1	
,, ,, 8-in	1	—	
Handles, small	6 (*k*)	3 (*k*)	
,, large	6 (*k*)	3 (*k*)	
Gouges—			
Firmer, $\frac{1}{4}$-in.	1	—	
,, $\frac{1}{2}$-in.	1	—	
,, $\frac{3}{4}$-in.	1	—	
Grinders, emery wheel, 6-in. ...	1	1	
Hammers—			
Carpenters, Warrington pattern, 8-oz.	1 (*b*)	1 (*b*)	
Engineers, ballpane, 1-lb. ...	1	1	
Irons, soldering, straight, 1$\frac{1}{4}$-lb. ...	1	1	
Lamps, brazing, 1-pint	1	1	
Mallets, raw hide	2	1	
Oilstones—			
Fine	1	1	
Slip, Arkansas	1	—	
Planes, smoothing, 2$\frac{1}{8}$-in.	1	—	

TABLE 1—*continued*

Designation.	A.	B.	Remarks.
Section F—continued			
Pliers—			
Flat-nose ... ... pr.	1	1	
Round-nose, 6-in. ... ,,	1	1	
Side-cutting, 7-in. ... ,,	1	1	
Punches, round—			
$\frac{1}{4}$-in. × 7-in.	1	1	
$\frac{3}{8}$-in. × 8-in.	1	—	
$\frac{1}{2}$-in. × 10-in.	1	—	
Rasps, carpenters, 10-in.	1	—	
Rules, steel, 1-ft.	1	1	
Saws—			
Hack, 12-in.	1	1	
Blades, medium	12	12	
Tenon, 14-in.	1	—	
Screwdrivers—			
Instrument makers ... set	1	1	
London, 18-in.	1	—	
Shears, tinmans, snip, straight, 10-in.	1	1	
Spanners—			
Adjustable—			
7-in.	1	1	
11-in.	1	1	
Box, tubular, heavy gauge—			
$\frac{1}{2}$-in. and $\frac{5}{16}$-in.	1	1	
$\frac{3}{8}$-in. and $\frac{7}{16}$-in.	1	1	
$\frac{1}{2}$-in. and $\frac{9}{16}$-in.	1	1	
$\frac{5}{8}$-in. and $\frac{3}{4}$-in.	1	1	
$\frac{7}{8}$-in. and 1-in.	1	1	
Double-ended—			
$\frac{3}{16}$-in. and $\frac{1}{4}$-in.	1	1	
$\frac{5}{16}$-in. and $\frac{7}{16}$-in.	1	1	
$\frac{3}{8}$-in. and $\frac{1}{2}$-in.	1	—	
$\frac{5}{8}$-in. and $\frac{3}{4}$-in.	1	—	
$\frac{7}{8}$-in. and 1-in.	1	—	
Stamps, steel, for metal, $\frac{5}{64}$-in.—			
Figures 0 to 8 ... ... set	1	1	
Letters ... ... ,,	1	1	
Dash lines	1	1	
Vices, hand—			
4-in.	1	—	
5-in.	1	1	
Section H1			
Cloth, emery—			
No. F ... ... sheets	6	6	
No. 1 ... ... ,,	6	6	
Section Q2			
Cartridges, small arm, dummy—			
·303-in. U, Mk. V	20	10	
·55-in. U, Mk. I	10	5	
7·92-mm. U, Mk. I	10 (*m*)	10 (*m*)	
9-mm.	10	10	
·5-in. U, Mk. I	10	5	
15-mm.	5 (*n*)	5 (*n*)	
·455-in. Auto.	10	10	

TABLE 2.—DETAIL OF CONTENTS OF BAGS, ARMOURERS, S.A.

NOTE.—Incorporated in **Table 1.**

TABLE 3.—TOOLS FOR CIRCUIT ARMOURERS

The following additional tools will be supplied to armourers when they become circuit armourers.

Designation.	No.	Remarks.
Section B2		
Braces, armourers, Mk. III—		
Bits, cleaning, No. 1, Mk. I ...	1 (*a*) (*b*)	
Boxes, components, Mk. I	1	
Gauges, armourers—		
·052-in.	1 (*a*) (*b*)	
Plugs—		
·307-in.	1 (*a*)	
·308-in. No. 2	1 (*a*)	
·310-in.	1 (*a*)	
Lead, No. 2	1 (*a*)	
Rods, Mk. II	1 (*a*)	
Mandrils—		
No. 4	1	
No. 7	1	

(*a*) To be obtained from R.A.O.C. when required by circuit armourers at home and abroad. At stations abroad these gauges may also be issued on loan to regimental armourers when the services of the circuit armourer are not available.

(*b*) For pistols, revolver, No.1.

TABLE 4.—TOOLS FOR REPAIR OF BICYCLES

(*Referred to in para.* **366**)

Designation.	No.	Remarks.
Section C2		
Bits, screwdriver, pedal pin	1	(*a*) Issue suspended for the duration of the war.
Brushes, bicycle	1	
Clamps, bicycle	1	
Hammers, bicycle (*a*)	1	
Injectors, paraffin	1	
Punches, bicycle	1	
Scissors, bicycle ... ... pr.	1	
Spanners, bicycle—		
Box, hexagon	1	
Box, square	1	
Nipple	1	
Thick	1	
Thin	1	
Valve	1	
Section F		
Brushes, lacquer—		
½-in.	2	
1-in.	2	

TABLE 5.—TOOLS FOR REPAIR OF BICYCLES, TO BE OBTAINED FROM R.A.O.C. ON LOAN WHEN REQUIRED

(*Referred to in para.* **362**)

Designation.	No.	Remarks.
Section C2		
Dies, spoke	1	
Holders, dies	1	
Moulds ... ... pr.	1	
Stocks and dies, bicycle ... set	1	
Straightedges, bicycle	1	
Section F		
Files—		
Bastard, hand, safe-edge, 6-in. ...	1	
Second cut, half-round, 4-in. ...	1	
Smooth, round, 4-in.	1	
Handles, small	3	
Section K (F)		
Pots, cooking, 2-gal.	2	

TABLE 6.—TOOLS FOR REPAIR OF OPTICAL AND OTHER INSTRUMENTS—INFANTRY BATTALIONS ONLY

Designation.	No.	Remarks.
Section F		
Screwdrivers—		
Cabinet, 4-in.	1	(*a*) Bottle not to exceed 5½ in. in height. Opaque with screw cap sprinkler stopper.
Electricians—		
2½-in.	1	
3-in.	1	
Instrument makers ... ... set	1	
Tweezers, large	1	
Section F (*N.I.V.*)		
Tools, watchmakers—		
Boxes, metal, round, with glass lid—		
3½-in. × 1½-in.	1	
2¾-in. × ¾-in.	1	
1½-in. × ⅝-in.	1	
Section H1 (*N.I.V.*)		
Turpentine, rectified or purified (in special bottle) (*a*) ... ... pt.	½	
Vaseline, 2-oz. tin	1	
Section H2 (*N.I.V.*)		
Rags, linen, old ... ... lb.	1	
Section V1		
Boxes, R.F. artificers, Mk. I empty ...	1	
Lubricants for optical instruments—		
Sticks—		
No. 1 (soft), Mk. I	1	
No. 2 (medium), Mk. I	1	
Stands, R.F. artificers—		
No. 1, Mk. I	1	
No. 2, Mk. I	1	
Section V1 (*N.I.V.*)		
Linen squares	2	
Optical tissue ... ... sheets	6	
Tweezers, prism	1	

APPENDIX 7

TABLE 1.—DETAIL OF CONTENTS OF BAGS, ARMOURERS, BICYCLE

(*Referred to in paras.* **366** *and* **481**)

Designation.	Each bag.	Remarks.
Section C2		
Ball-head—		
Nuts, clip (*a*)	2	(*a*) To be demanded as Frames, bicycle, nuts, seat-lug.
Screws, clip	2	
Balls, antifriction—		
⅛-in. ... ... doz.	10	
$\frac{3}{16}$-in. ... ... ,,	12	
¼-in. ... ... ,,	8	
Bottom brackets—		
Cotters	10	
Cups	6	
Nuts, cotter	10	
,, pin, locking	6	
Pins, locking	6	
Screws, chain wheel	12	
Washers, cotter	10	
Brakes—		
Nuts	32	
Pads	40	
Washers, shoe-lug	20	
Brakes, front—		
Springs	2	
Brakes, rear—		
Bolts, axis, hanger	4	
,, axis, lever, bell-crank ...	4	
,, clip, fork, back	4	
,, clip, lever, bell-crank ...	4	
,, clip, lever, rocking	4	
,, spring, lever, rocking ...	4	
Bushes, lever, rocking	4	
Nuts, axis, lever, bell-crank ...	4	
,, bolt, spring, lever, rocking ...	4	
,, clip, fork, back	12	
Springs, lever, rocking	4	
Stops, lever	4	
Washers, levers	8	
Chains, bicycle, Mk. I—		
Bolts	10	
Couplings	6	
Links	6	
Nuts	10	
Chains, bicycle, Mk. II—		
Fasteners, spring clip	12	

TABLE 1—*continued*

Designation.	Each bag.	Remarks.
Section C2—continued		
Chain adjustment—		
Adjusters	6	
Nuts	10	
Frames, bicycle—		
Nuts, seat-lug	2	
Screws, seat-lug	2	
Hubs, back, coaster—		
Clutches, brake	4	
Cones, adjustable	4	
Levers, brake	4	
Nuts, clip	6	
,, clutch	4	
Screws, clip	4	
Spindles	4	
Hubs, back, coaster and free-wheel—		
Cages, No. 1	10	
,, No. 2	6	
Cups, clutch	8	
Nuts, spindle	12	
Washers	12	
Hubs, back, free-wheel—		
Cones	8	
Nuts, clutch	4	
Spindles	4	
Washers, stop	4	
Hubs, front—		
Cones, adjustable	2	
,, fixed	2	
Nuts	4	
Spindles	2	
Washers	4	
Lubricators—		
Spring lid, $\frac{3}{16}$-in.	6	
Pedals—		
Caps	6	
Cones	6	
Nuts, locking	6	
Pins, left	6	
,, right	6	
Rings	6	
Pumps, bicycle—		
Connections	6	
Cups	6	
Tyres, bicycle—		
Covers, Mk. II	2	
Tubes, Mk. II	4	
Wheels, bicycle—		
Nipples	24	
Spokes	24	
Washers, spoke	24	

TABLE 2.—MATERIALS FOR LIGHTING, CLEANING AND PRESERVATION OF BICYCLES

(*Referred to in para.* **481**)

Annual Supply. Peace only

Designation.	Each bicycle.	Remarks.
Section C2		
Brushes, bicycle	1	(*a*) To be drawn from R.A.S.C. (*b*) To be demanded as necessary for the re-painting of the white surface on rear mud-guards.
N.I.V.		
Linen or cotton, old lb.	1½	
Oil, paraffin (*a*)—		
(For cleaning purposes) ... quarts	1	
(For replenishing lamps) ... ,,	2	
Wick (*a*)	As necessary.	
Section H1		
Oil, M.80 ... pints	1	
Paint, prepared for use—		
White—		
Undercoat for white enamel Enamel	(*b*)	
Tallow lb.	1	
Section H2		
Cotton, wool (for replenishing lamps) oz.	1	

APPENDIX 8

(*Referred to in para.* 485)

BICYCLE LOG BOOK—SPECIMEN PAGE

Date of Inspection.	Remarks as to condition.	Signature of Inspecting Officer.	Bicycle Reg. No. 47112 C.	
			Report on adjustment of defects and losses.	Signature of Officer Commanding.
13/4/42	Good, but oil-can deficient. Private Haldane responsible.	W. Baxter, Lt.	—	—
20/4/42	Good, oil-can still deficient. Rider, Private Haldane.	M. Barrie, Lt.	Oil-can—Replaced 24/4/42.	J. Creed, Capt., for O.C.
27/4/42	In very good order and condition.	H. Dale, Capt.	—	—
4/5/42	In very good order and condition.	J. Luke, Capt.	—	—
11/5/42	Frame cracked. Front wheel buckled. Left crank broken and bicycle generally smashed. Rider, Private Smith.	J. Collins, Capt.	Bicycle condemned as beyond local repair. Exchanged for Reg. No. 37896 by R.A.O.C. Pte. Smith to pay £3—H.Q. C.R./3167.	R. Richardson, Lieut.-Colonel, O.C.

APPENDIX 9

(*Referred to in para.* 479)

BICYCLES—RECORD OF TRANSFERS

Bicycle Frame No.

Regtl. No.

Mark.

Date.	Condition.	Received by			Officer's initials.
		Initials.	Army No.	Rank.	

NOTES:—

1. The bicycle frame No. is stamped on the right side of the seat lug.
2. Any loss or damage must be reported immediately by the rider concerned.

APPENDIX 10

(*Referred to in paras.* **449, 452, 455, 459, 476** *and* **562**)

MATERIALS FOR PRESERVATION AND REPAIR OF SMALL ARMS AND MACHINE GUNS

Materials for Repairing Small Arms

Units in possession of a greater or less number of small arms than those for which scales are laid down will indent for proportionate quantities.

Infantry depots (except Guards depot) will obtain materials in accordance with E.R., Part 2.

Fractional results should be taken as whole numbers, and allowance should be made for any number in possession of the unit.

The patterns of small arms for which components are required must be stated on indents.

In the case of mobilization small arms, particular care must be taken to ensure that the authorized proportions of components suited to each mark of small arm are at all times stored in accordance with the various mobilization store tables.

Items required for repair of the small arms of units unprovided with armourers will be indented and accounted for by the officer whose armourer is detailed to perform the work.

* TABLE 1.—MATERIALS FOR REPAIR OF RIFLES, No. 1, MARKS III AND III*

Designation.	Annual proportion for 1,000 arms.	Remarks.
Section B1		
Bottles, oil, Mk. IV—		
Stoppers (*a*)	3	
Washers (*a*)	12	
Pullthroughs—		
Cords, single (*b*)	1,200	
Gauze, (*c*)	800	
Bands, outer, No. 1	6	
Blades, foresight, No. 1	26	Sizes as required.

* *See* A.C.I. 94 of 1941.

TABLE 1—*continued*

Designation.	Annual proportion for 1,000 arms.	Remarks.
Section B1—continued		
Bolts—		
Breech, No. 1	9	
Locking, No. 1	30	
Stock, No. 1	2	
Brackets	3	
Caps—		
Backsight, No. 1	4	For Leaves, Backsight, No. 1 "B."
Handguard, No. 1	3	
Nose, No. 1	4	
Cases, magazine, No. 1 { A (*d*) ...	1	
{ B ...	12	
Catches—		
Magazine, No. 1	3	
Safety, No. 1	7	
Slide, backsight, No. 1	2	
Clips, stop, No. 1 (*e*)	1	
Cocking-pieces, No. 1 "B" ...	20	
Collars, No. 1	8	
Cut-offs, No. 1 (*g*)	10	
Discs, marking	10	
Extractors, No. 1	40	
Guards, hand, No. 1 { Front ...	30	} 45 for mounted units.
{ Rear ...	30	
Guards, trigger, No. 1	2	
Heads, breech bolt, No. 1 ...	30	
Heads, screw, windgauge, No. 1 (*f*)	2	For Leaves, Backsight, No. 1 "A."
Leaves, backsight, No. 1 "B" ...	4	
Nuts, cap, nose, No. 1	4	
,, protector, No. 1	4	
Pins—		
Axis, backsight, No. 1	10	
Catch, magazine, No. 1 ...	2	
Head, screw, windgauge, No. 1 (*h*)	2	For Leaves, Backsight, No. 1 "A."
Stop, bolt, locking, No. 1 ...	12	
Trap, butt plate, No. 1 ...	2	
Trigger, No. 1	5	
Washer, backsight, No. 1 ...	12	
Worm, No. 1	2	
Plates, butt, No. 1	10	5 for mounted units.
,, stock-bolt, No. 1	4	
Platforms, magazine { No. 1, A (*i*)	1	
{ No. 1, B (*j*)	12	
Protectors, No. 1	3	
Rivets, spring, handguard, No. 1	6	
Screws—		
Band, inner, No. 1	10	
Bracket	9	
Cap, backsight, No. 1	7	
,, handguard, No. 1 ...	3	

TABLE 1—*continued*

Designation.	Annual proportion for 1,000 arms.	Remarks.
Section B1—continued		
Screws—*continued*		
Cap, nose, back, No. 1	6	
,, nose, front, No. 1	32	
Catch, slide, backsight, No. 1	2	
Cut-off, No. 1 (*k*)	2	
Discs, marking	10	
Ejector, No. 1 "B"	18	
Extractor, No. 1	20	
Guard, trigger, back, No. 1	14	
,, trigger, front, No. 1	12	
Plate, butt, No. 1	12	
Protector, No. 1	3	
Sear, No. 1	7	
Spring, bolt, locking, No. 1	10	
,, sight, back, No. 1	6	
,, trap, butt-plate, No. 1	2	
Striker, No. 1	12	
Swivel	26	
Windgauge, No. 1	2	For Leaves, Backsight, No. 1 "A."
Sear, No. 1	15	
Slides, backsight, No. 1	3	
Springs—		
Auxiliary, magazine, No. 1 "A" (*l*)	2	
,, magazine, No. 1 "B" (*m*)	10	
Bolt, locking, No. 1	30	
Catch, slide, backsight, No. 1	4	
Extractor, No. 1	44	
Guard, hand, No. 1	2	
Main, No. 1	16	
Platform, No. 1 "A" (*n*)	2	
Retaining, No. 1	8	
Screw, band, inner, No. 1	6	
Screw, windgauge, No. 1	2	For Leaves, Backsight, No. 1 "A."
Sear, No. 1	10	
Sight, back, No. 1	2	
Stud, fore-end, No. 1	3	
Trap, butt-plate, No. 1	4	
Windgauge, No. 1	10	For Leaves, Backsight, No. 1 "A."
Stocks, butt, No. 1—		
Bantam	1	
Long	2	
Normal	10	
Short	3	
Stocks, fore-end, No. 1 "B"	20	25 for mounted units.
Strikers, No. 1 "B"	24	
Studs, clip, stop, No. 1 (*l*)	1	
,, fore-end, No. 1	3	

TABLE 1—*continued*

Designation.	Annual proportion for 1,000 arms.	Remarks.
Section B1—continued		
Swivels, band	13	
,, piling, "A"	20	
,, piling, "B"	16	For mounted or dismounted units, but not to be issued to the latter when the preceding item is available.
Traps, butt-plate, No. 1	2	
Triggers, No. 1	6	
Wads, No. 1	20	
Washers—		
Bolt, stock, No. 1	20	
Guard, hand, No. 1	4	
Nut, screw, No. 1	6	
Pin, No. 1	12	
Spring, band, inner, No. 1	12	
,, bolt, locking, No. 1	16	
Windgauges, backsight, No. 1	2	For Leaves, Backsight, No. 1 "A."
Worms, No. 1	2	

(*a*) Mk. II for Mk. II Bottles, oil, Mk. III for Mk. III and IV Bottles, oil.

(*b*) 3,000 may be issued in Malaya.

(*c*) 2,250 may be issued in Bermuda, Ceylon, China, Egypt, Gibraltar, Jamaica and Mauritius; 5,000 may be issued in Malaya.

(*d*) When required to be replaced, Cases No. 1 "B," with Platform No. 1 "B," which have springs attached, and Springs, Auxiliary, Magazine, No. 1 "B" will be indented for.

(*e*) Not for Cases No. 1 "B."

(*f*) When stock of M.L.E.R.S., Mk. III, No. 1 (N.I.V.) is exhausted.

(*g*) For Mk. III rifles only.

(*h*) For No. 1 and 2 Heads respectively.

(*i*) For rifles fitted with Cases No. 1 "A."

(*j*) With spring assembled for "B" cases only.

(*k*) For rifles No. 1, Mk. III, only.

(*l*) For No. 1 "A" magazine cases only.

(*m*) For No. 1 "B" magazine cases only.

(*n*) For No. 1 "A" platforms only. No. 1 "B" platforms are issued complete with spring attached.

* TABLE 2.—MATERIALS FOR REPAIR OF BAYONETS, No. 1, MK. I

Designation.	Annual proportion for 1,000 arms.	Remarks.
Section B1		
Bayonets, No. 1—		
Bolts	5	(*a*) For assembly under the head of grip screws and/or nuts.
Grips ... ... pairs	40	
Nuts, bolt	10	
,, grip	40	
Screws, grip	40	
Springs, bolt	20	
Washers, nut, screw, No. 1 ...	250 (*a*)	

* *See* A.C.I. 94 of 1941.

* TABLE 3.—MATERIALS FOR REPAIR OF SCABBARDS, BAYONET, No. 1, MK. II

Designation.	Annual proportion for 1,000 arms.	Remarks.
Section B1		
Scabbards, bayonet, No. 1, Mk. II—		
Chapes	10	
Laces, long	50	
,, short	100	
Lockets	10	

* *See* A.C.I. 94 of 1941.

* TABLE 4.—MATERIALS FOR REPAIR OF PISTOLS, REVOLVER, No. 2, MK. I

NOTE.—Except for an establishment of three pistols or less, the proportion (less any numbers in possession) may be drawn annually. For an establishment of three or less, it will only be drawn triennially. Fractional results may be reckoned as whole numbers.

Designation.	Annual proportion for 100 pistols on charge.	Remarks.
Section B1		
Pistols, revolver, No. 2, Mk. I—		
Blades, foresight—		
Central	4	
Left	1	
Right	1	
Cams, cylinder	2	
Catches—		
Barrel	2	
Hammer	2	
Trigger	2	
Hammers	2	
Levers—		
Auxiliary	2	
Cam	2	
Extractor	6	
Spring, main	2	
Nuts—		
Extractor	4	
Pawls	6	
Pins—		
Catch—		
Hammer	4	
Trigger	4	
Extractor	6	
Joint	2	
Lever, spring, main ...	2	
Striker	4	
Swivel—		
Butt	4	
Hammer	4	
Screws—		
Blade, foresight	4	
Cam	4	
Catch, barrel	6	
Fixing, lever, cam ...	6	
Pin, joint	6	
Plate, body	12	
Shield	6	
Stock	2	
Shields	4	

* *See* A.C.I. 94 of 1941.

TABLE 4—*continued*

Designation.	Annual proportion for 100 pistols on charge.	Remarks.
Section B1—continued		
Pistols—*continued*		
Springs—		
Catch—		
Barrel	6	
Hammer	4	
Trigger	4	
Extractor	6	
Lever, extractor	6	
Main	6	
Stop, cylinder	8	
Stocks, side—		
Left	4	
Right	4	
Stops—		
Cylinder	4	
Safety	2	
Striker, hammer	4	
Swivels—		
Butt	2	
Hammer	4	
Triggers	2	

TABLE 5.—MATERIALS FOR REPAIR OF SWORDS, CAVALRY, AND SCABBARDS, SWORD, CAVALRY

NOTE.—Materials for the repair of swords, cavalry, No. 2, Mk. II, and scabbards, sword, cavalry, No. 2, Mk. I, will be supplied as necessary.

Designation.	Annual proportion for 100 Swords and Scabbards.	Remarks.
Section B1		
Screws, ejector, No. 1 " B " ...	2	
Section B2		
Swords, cavalry—		
Buff, pieces, No. 1	20	Household Cavalry and Cavalry of the Line only.
Grips, No. 1	1	
Nuts, guard, No. 1	2	
,, pommel, No. 1	2	

TABLE 5—*continued*

Designation.	Annual proportion for 100 Swords and Scabbards.	Remarks.
Section B2—continued.		
Scabbards, sword, cavalry—		
Linings, No. 1	10	
Mouthpieces, No. 1	1	
Screws, mouthpiece, No. 1 ...	20	Also for No. 2, Mk. I scabbards.
Section G2		
Wire, steel, soft, No. 12, S.W.G. oz.	2	To be issued in lieu of rivets, loop, No. 1, for scabbards, sword, cavalry, No. 1, Mk. I*.

TABLE 6.—MATERIALS FOR REPAIR OF LANCES

Designation.	Annual proportion for 100 Lances.	Remarks.
Section B2		
Lances, patt. '68—		
Laces	10	
Protectors	20	
Slings	6	
Thongs, sling	12	
Section H1		
Methylated spirit, industrial pts.	1½	For re-varnishing lances.
Section Q2		
Shellac, liver ... ... oz.	12	

TABLE 7.—MATERIALS FOR REPAIR AND CLEANING OF RIFLES No. 2, MK. IV*

NOTE.—To be demanded only when required to replace unserviceable components and not to be demanded for the purpose of being held by units as a stock.

Components common to Rifles No. 1 are not included in this Table, and are to be taken from the allowance provided by Table 1.

Designation.	Annual proportion for 16 rifles.	Remarks.
Section B3		
Rifles, No. 2, Mk. IV*—		
Extractors	1	
Heads, breech, bolt	2	
Pins, firing	1	
Strikers	1	
Tools, cleaning—		
Brushes	4	
Cleaners	4	
Rod, No. 6	1	

TABLE 8.—MATERIALS FOR REPAIRING AND BROWNING SMALL ARMS

Designation.		Biennial Allowance. 1,066 arms.	800 arms.	666 arms.	Remarks.
Section B3					
Card, scratch, armourers	ft.	8	6	5	
Stalls—					
Finger	—	—	—	3 } For every 1,500, or	
Thumb	—	—	—	1 } less, stand of arms.	
Section D1					
Brushes, harness, hard ...		3	2	2	
Section F					
Brushes, lacquer, ½-in. ...		1	1	—	
Section G2					
Tin, grain	lb.	1	1	14/16	For soldering
Wire steel—					
No. 20, S.W.G. soft	oz.	8	6	5	
No. 16, S.W.G. hard	,,	4	3	2	
Zinc, alloy		8	6	5	

TABLE 8—*continued*

Designation.		Biennial Allowance. 1,066 arms.	800 arms.	666 arms.	Remarks.
Section H1					
Borax	oz.	8	6	5	
Cloth, emery—					
No. O	quires	½	⅓	¼	
,, F	,,	4	3	2¼	
,, 2	,,	2	1½	1¼	
Dust, oilstone	oz.	—	—	—	2 every 1,000 or less stand of arms.
Methylated spirits, industrial	pints	½	½	½	
Oil—					
Mineral, burning (*a*)...	,,	—	—	—	½ for every 100 stand of arms, for cleaning bore of barrels.
M.80	,,	—	—	—	3 for 100 stand of arms browned by armourer.
Paper, glass—					
No. 1½	quires	3	2½	2	
,, 2	,,	¾	½	⅜	
,, 3	,,	⅓	¼	⅓	
Powder, emery, flour ...	oz.	24	18	15	Includes 1 oz. for every 100 stand of arms for cleaning barrels.
Rosin, black	,,	8	6	5	
Sal-ammoniac, lump ...	,,	2	1½	1 7/16	
Soda, crystals (*b*) ...	lb.	144	108	90	For cleaning barrels.
Section H1 (N.I.V.)					
Glue, croid, aero, ¼-lb. tins	tin	8	6	4	
Sheeting, old	lb.	24	20	16½	
Blanket, old	,,	—	—	—	2½ for every 2,000 stand of arms.
Section Q2					
Shellac, liver		—	—	—	3 oz. for 1,000 arms on charge, for the temporary blacking of sights and parts of arms.
N.I.V.					
Mixture, browning		(*c*)	(*c*)	(*c*)	
Coal		—	—	—	The coal required will be drawn under the Allowance Regulations.
Sponges, Turkey, 3 drams (*d*)		—	—	—	8 for every 2,000 stand of arms.

(*a*) R.A.S.C. supply

(*b*) 1½ lb. to each gallon of water. The quantities shown are the maximum allowances, but no more should be used than is actually required to remove the grease.

(*c*) Browning mixture is supplied in the proportious detailed in instructions for the care, repair and browning, etc., of arms and bayonet scabbards, in the Instructions for Armourers.

(*d*) To be provided locally.

TABLE 9.—MATERIALS FOR CLEANING AND PRESERVATION OF SMALL ARMS

Annual Supply of Oil, etc., for the Cleaning, Oiling and Preservation of Small Arms

Peace only

NOTES.—1. No oil, etc., except that supplied by the R.A.O.C., will be applied to the small arms in any circumstances.

2. In the case of Royal Artillery, when small arms are examined by an armourer, he will be provided with one-eighth of a pint of oil, M.80, for every 24 stand of small arms (or less), out of the annual allowance.

Station.	Oil, M.80, pints, for every			Mineral jelly, red, lb. for 666 small arms (*b*).	Beeswax, lb. for 666 small arms (*b*).	Oil, linseed, raw, pints for woodwork of 666 small arms (*h*).
	133 small arms (including pistols) (*a*).	133 rifles or 266 pistols. For lubricating actions.	133 rifles or 266 pistols. For removing rust from barrels.			
Home ...	72 (*c*) (*g*)	9	1	10 (*d*)	—	—
Gibraltar ...	75	9	1	10 (*d*)	—	66
Malta						
Egypt ...						
Ceylon ...	84	9	1	48 (*e*)	24 (*e*)	66
Malaya ...	84	9	1	32 (*f*)	16 (*f*)	66
Mauritius ...						
China						
Bermuda ...						
Jamaica ...						

(*a*) Includes the quantities required for filling oil bottles.

(*b*) For application between fore-end and barrel. Mineral jelly and beeswax to be mixed before application.

(*c*) This will also be allowed for small arms of Guards and Rifle depots in constant use.

(*d*) To be applied annually.

(*e*) A portion to be applied quarterly for nine months and then once a month for the remaining three months.

(*f*) A portion to be applied quarterly.

(*g*) 113 pints for every 133 recruits' rifles on charge of 1st (Depot) Bn. R.T.R.

(*h*) To be applied as described in para. **453.**

TABLE 9—*continued*

Annual Supply. Peace only

Section B3		
Flannelette ...	For each ·303-in. rifle in possession of—	
	Cavalry and Infantry (*a*)	11 yards.
	Field Artillery	8 ,,
	Royal Engineers (*a*), (*c*)	6 ,,
	Royal Corps of Signals (*a*), (*e*) ...	6 ,,
	Other units (*a*), (*d*), (*f*)	4 ,,
	For each pistol, Webley, in the possession of all units	2 ,,
Jute ... lb.	1 lb. for 200 small arms for use with cleaning rod, No. 1.	
Wire, armourers, brass	2 oz. for 100 small arms for use with cleaning rods, Nos. 2 or 4, and Braces, Armourers, Mk. III, Bits, cleaning.	
Section H1 (N.I.V.)		
Sheeting, old ...	10 lb. for armourer.	

War Supply

NOTE.—This scale is inserted as a guide when preparing indents. On active service the stores will be issued as local circumstances require.

Section B3	
Flannelette	35 yards for 100 rifles (*b*).
Section H1	
Oil—	
M.80	25 pints each regiment of cavalry; 48 pints each battalion of infantry, and 5 pints for 100 rifles (*b*) for other units.
Linseed, raw	10 pints for every 100 rifles annually.
Section H1 (N.I.V.)	
Sheeting, old	3 lb. each regiment of cavalry or battalion of infantry.

(*a*) These allowances may be increased 50 per cent. at Malaya, Ceylon, China, Bermuda and Jamaica.
At Mauritius 24 yards may be issued for each rifle.

(*b*) Allowance for 2 pistols to be as for 1 rifle.

(*c*) 12 yards for Field Squadron, Field Company (except drivers), Fortress Company, Training Battalion and Depot Battalion.

(*d*) 8 yards for each recruit's rifle on charge of 1st (Depot) Bn., R.T.R.

(*e*) 9 yards for each rifle on charge of the Depot Battalion.

(*f*) 12 yards for each rifle on charge of the Training Battalion, R.A.S.C. and Depot R.A.O.C.

TABLE 9—*continued*

Scale for Small Arms of Patients admitted to Field Medical Units on Manœuvres

Section B1	
Pullthroughs, single, Mk. IV, " A " ...	2 each Field Medical Unit.
Section B3	
Flannelette	75 yards each Field Medical Unit.
Section H1	
Oil, M.80	6¾ pints ,, ,,

Pullthroughs, Double
Annual Supply. Peace only
(For War, *see* **Appx. 6, Table 1**)

Section B1		
Pullthroughs, double, Mk. I, " B " ...	10	For 1,000 small arms. to be supplied to and used by armourers only.
Cords, double (spare)	10 (*a*)	
Gauze	20 (*a*)	

(*a*) Annual supply.

* TABLE 10.—ANNUAL ALLOWANCE OF MATERIAL FOR REPAIR OF MACHINE GUNS

(*Referred to in para.* **472**)

Designation.	Each. Vickers M.G.	Lewis M.G.	Hotchkiss M.G.	Besa 7·92-mm. M.G.	Besa 15-mm. M.G.
Section B1					
Pullthroughs—					
Cords, double	1 (*b*)	1	1	1	—
Gauze	5 (*a*)	2	2	2 (*a*)	—
Section C1					
Belts, ·303-in., 250 rounds, Mk. I—					
Eyelets, long ... oz.	½	—	—	—	—
Strips { Long	25	—	—	—	—
Strips { short	25	—	—	—	—

* *See* A.C.I. 94 of 1941.

TABLE 10—*continued*

Designation.	Each. Vickers M.G.	Lewis M.G.	Hotchkiss M.G.	Besa 7·92-mm. M.G.	Besa 15-mm. M.G.
Section C1—continued					
Brushes, oil, M.G.	1	1	1	—	—
,, rod, cleaning, cylinder, Lewis ·303-in., M.G., Mk. I	—	2	—	—	—
Extractors, hand, Hotchkiss, ·303-in., M.G., Mk. I ...	—	—	1	—	—
Guns, Machine, Vickers, ·303-in.—					
Packing, asbestos, pieces ...	(*a*) (*c*)	—	—	—	—
Pins, split, check nut, long	2	—	—	—	—
,, split, collar, roller, No. 2	1	—	—	—	—
Washers, adjusting, No. 1	2	—	—	—	—
,, ,, No. 2	1	—	—	—	—
Guns, Machine, Vickers, ·303-in., Mk. I—					
Corks, for plug	2	—	—	—	—
Heads, plug, screwed ...	2	—	—	—	—
Pins, fixing, cork plug ...	2	—	—	—	—
Plugs, cork	1	—	—	—	—
,, screwed	1	—	—	—	—
Studs, screwed plug ...	1	—	—	—	—
Guns, Machine, Lewis, ·303-in.—					
Extractors (Mk. I or Mk. II)	—	2 (*d*)	—	—	—
Guides, cartridge	—	1	—	—	—
Springs, return	—	1 (*e*)	—	—	—
Washers, packing, barrel	—	2	—	—	—
Guns, Machine, Lewis, ·303-in., Mk. I—					
Screws, clamp ring, No. 2	—	1	—	—	—
,, swivel	—	1	—	—	—
Swivels	—	1	—	—	—
Guns, Machine, Hotchkiss, ·303-in.—					
Covers, sight, fore ...	—	—	1	—	—
Screws, locking	—	—	1	—	—
Washers, spring, backsight	—	—	2	—	—
Hooks, " S," M.G.	2	—	—	—	—
Mops, rod, cleaning cylinder—					
Bren, ·303-in., M.G., Mk. I	—	—	—	1	—
Lewis, ·303-in., M.G., Mk. I	—	1	—	—	—
Section C2					
Belts—					
7·92-mm., 225-round, Mk. I—					
Links	—	—	—	10	—
Pins, link	—	—	—	20	—
15-mm., 25-round, Mk. I—					
Links	—	—	—	—	10
Pins, link	—	—	—	—	20

TABLE 10—*continued*

Designation.	Each. Vickers M.G.	Lewis M.G.	Hotchkiss M.G.	Besa 7·92-mm. M.G.	Besa 15-mm. M.G.
Section C2—continued					
Brushes—					
Chamber, Besa, 15-mm. M.G., Mk. I	—	—	—	—	1
Rod, cleaning, cylinder, Besa, 7·92-mm. M.G., Mk. I	—	—	—	2	—
Guns, machine—					
Besa 7·92-mm.—					
Springs—					
Pawl—					
Feed	—	—	—	1	—
Retaining	—	—	—	1	—
Pin, firing	—	—	—	1	—
Return	—	—	—	1	—
Washers, locking, flash eliminator	—	—	—	2	—
Besa 15-mm., Mk. I—					
Springs—					
Pawl—					
Feed	—	—	—	—	1
Retaining	—	—	—	—	1
Pin, firing	—	—	—	—	1
Return	—	—	—	—	1
Washers, locking, flash eliminator	—	—	—	—	2
Rods, cleaning, Besa, 15-mm. M.G., Mk. I—					
Brushes—					
Bristle	—	—	—	—	1
Wire	—	—	—	—	1 (*c*)
Section G1					
Pins, keep, split—					
$\frac{1}{4}$-in. × $2\frac{1}{2}$-in.	2 (*f*)	—	—	—	—
$\frac{1}{16}$-in. × $\frac{1}{2}$-in.	—	—	—	1	—

(*a*) As required by A.F.V. School, Gunnery Wing.
(*b*) 2 each Vickers machine gun of machine gun battalions.
(*c*) 20 each Vickers machine gun, Mk. I, and 40 each Vickers machine gun, Mks. IV, VI, VI* and VII.
10 each Vickers machine gun on charge of Machine Gun School and A.F.V.S. Gunnery Wing.
(*d*) The Mk. II is supplied with spring extractor.
(*e*) Issued with casing and hub in tin box, if available, otherwise issue will be made in retaining collar.
(*f*) For Mk. IV tripod mounting.

TABLE 11.—ADDITIONAL ANNUAL ALLOWANCE TO A.F.V. SCHOOL, GUNNERY WING, OF MATERIALS FOR REPAIR OF BESA MACHINE GUNS

Designation.	Each. Besa 7·92-mm. M.G.	Besa 15-mm. M.G.
Section C2		
Guns, machine, Besa, 7·92 mm.—		
Grips, pistol	1 every 15 guns	
Retainers, cover locking pin ...	1 ,, 20 ,,	
Springs—		
Detent, safety catch locking lever	1 ,, 20 ,,	
Retainer, cover locking pin ...	1 ,, 20 ,,	
Guns, machine, Besa, 15 mm., Mk. I—		
Grips, pistol		1 every 10 guns
Retainers, cover locking pin ...		1 ,, 5 ,,
Springs—		
Buffer, breech block		2 ,, 1 ,,
Retainer, cover locking pin ...		1 ,, 5 ,,
Keys, tube, pistol grip, Besa M.G., Mk. I		1 ,, 20 ,,
Section C2 (N.I.V.)		
Guns, machine, Besa, 15 mm., Mk. I—		
Caps, spring, buffer, breech block		2 ,, 5 ,,

APPENDIX 11

(Referred to in para. 474)

PAINTING MACHINE GUNS, MOUNTINGS, RIFLES, A/T (BOYS), MORTARS, M.L., ETC., AND ALSO THE PARTS TO BE PAINTED

NOTES.—1. Machine guns used in A.F.Vs. will not normally be painted.

2. Disruptive painting is not necessary.

The following will be painted with Paint, P.F.U., khaki, green, No. 3, heat resisting, special :—

Designation.	Parts to be painted.	Allowance for 100 (one coat).
		lb.
Guns, machine—		
Bren, ·303-in.	Not painted.	
Hotchkiss, ·303-in., Mk. I ...	Barrel (including spare) and handguard.	2¾
Lewis, ·303-in., Mk. I	Radiator casings and exposed surfaces of trigger guard.	4½
Vickers, ·303-in., Mk. I ...	Barrel casing and exposed surfaces of feed block when the latter is of gunmetal.	4½
Rifles, Boys	Barrel, except the recoil reducer. Cradle; external surfaces of front support.	5

The following will be painted with Paint, P.F.U., khaki, green, No. 3 :—

Designation.	Parts to be painted.	Allowance for 100 (one coat).
		lb.
Holders, A.A., Lewis, ·303-in. M.G.	All over except gun bearings and frictional surfaces.	1
Magazines—		
Bren, ·303-in. M.G., No. 1 ...	Externally, except for the portion that enters the gun and ½-in. above the line of entry.	1½

Designation.	Parts to be painted.	Allowance for 100 (one coat).
		lb.
Magazines—*continued*		
Lewis, ·303-in. M.G., Mks. I and I*.	Externally only.	1⅛
Rifles, Boys	Externally, except for the portion that enters the gun and ½-in. above the line of entry.	½
Mortars, M.L.—		
2-in., Mks. II, II* and II** ...	(*a*) If barrel browned, breech piece only.	2
	(*b*) If barrel not browned, breech piece and barrel.	6
3-in., Mk. I on Mountings, 3-in., Mortar, Mk. I and II.	All over except the elevating and traversing screws and the breech piece.	22
Mounts, field—		
Lewis, ·303-in. M.G., Mk. III	All over.	1½
Vickers, ·303-in. M.G., Mk. I	All over.	1½
Mountings, tripod—		
·303-in. M.G., Mk. IV ...	All over, except gun and joint pin bearing surfaces, screw threads of elevating gear, and stems of joint pins, and direction dials.	12
Bren, ·303-in. M.G., Mk. I ...	All over, except gun joint bearing surfaces, elevating gear, and traversing arc.	18
A.A., Lewis or Hotchkiss, ·303-in. M.G.	All over, except lower frictional surfaces of tubular post.	8
Boxes—		
Battalion spares, Bren, ·303-in. M.G., Mk. I.	Externally.	14
Battalion spares, Lewis, ·303-in. M.G., Mk. I.	Externally.	14
Belt, Vickers, ·303-in. M.G., Nos. 7, 8 and 9.	Externally (and internally where necessary).	11
Carrier, magazine, Lewis, ·303-in. M.G.	Externally (and internally where necessary).	19½
Magazines, Bren, ·303-in. M.G.	Externally (and internally where necessary).	19
Chests—		
Besa, 7·92-mm. M.G.	Externally.	25
Besa, 15-mm. M.G.	Externally.	55
Bren, ·303-in. M.G.	Externally.	25
Vickers or Lewis, ·303-in. M.G.	Externally.	25
Vickers, ·303-in. M.G. ...	Externally.	25
Vickers, ·5-in. M.G.	Externally.	35

The following will be painted with Paint, P.F.U., white, enamel.

Designation.	Parts to be painted.	Allowance for 100 (one coat).
		lb.
Magazines, Lewis, ·303-in. M.G., D.P.	On the outer portion of the upper surface of the pan, with four bars, each about 1 in. wide, radiating from the centre at intervals of 90°, and with the letters "D.P." in 1-in. block type between any two of the bars. Also the whole of the interior of the pan except the corrugations between the cartridge retaining plates.	1
Boxes—		
Belt, Besa, 7·92-mm. M.G., No. 1.	Externally.	11
Belt, Besa, 15-mm. M.G., No. 1	Externally.	11
Belt, Vickers, ·303-in. M.G., No. 10.	Externally.	11
Belt, Vickers, ·5-in. M.G., No. 2	Externally.	11
Spares, M.G., Nos. 1 and 2 ...	Externally.	5
Spares, M.G., No. 3	Externally.	6
Spare parts and tools, Besa, 7·92-mm. M.G., No. 1.	Externally.	8
Spare parts and tools, Besa, 15-mm. M.G.	Externally.	12
Bomb-thrower, 2-in., Mk. I ...	All over except engaging surfaces between the following:— Barrel, front. Barrel, rear. Carrier. Junction nut.	9

APPENDIX 12

TABLE 1

(Referred to in para. **470***)*

MATERIAL FOR CLEANING AND OILING MACHINE GUNS AND MOUNTINGS

Designation.	Each machine gun and mounting.		
	Peace per annum.		War.
	For guns in use.	For guns in store.	
Section B3			
Flannelette ... ... yds.	11 (*a*) (*d*)	6	3
Section H1			
Dubbin ... ... lb.	$\frac{3}{8}$	—	$\frac{1}{2}$
Mineral jelly, red ... ,,	—	$1\frac{1}{8}$	—
Oil—			
A ... ... pts.	6 (*c*) (*d*)	—	$2\frac{1}{4}$
Low cold test, No. 1 ,,	1	—	1 (*e*)
Section H1 (N.I.V.)			
Grease, graphited (R.D.1179) (*f*) tins (*g*)	1	—	1
Oil, mineral, burning (*b*) pts.	$\frac{1}{2}$	—	$\frac{3}{4}$
Rags, cotton, white ... lb.	$2\frac{1}{4}$ (*d*)	—	$\frac{3}{4}$

(*a*) 20 yards for Regular Cavalry, Infantry and R.A.C.
(*b*) R.A.S.C. supply.
(*c*) 9 pints for Malaya only.
(*d*) As required by A.F.V. school, Gunnery Wing.
(*e*) As required in cold climates.
(*f*) For Bren and Besa machine guns only.
(*g*) 11-oz. filler tins.

TABLE 2

(Referred to in para. **471***)*

MATERIAL FOR MACHINE GUNS AND MOUNTINGS IN STORE

Section C1	
Rods, twisted, copper wire, Mk. I	rod 1.
Section H2 (N.I.V.)	
Flannel (old blanket is very effective) ...	$\frac{3}{4}$ square yard.

TABLE 3

(*Referred to in para.* **258**)

MATERIAL FOR CARE AND PRESERVATION OF SMALL ARMS STORED FOR ARMY RESERVISTS

Annual Allowance

Section B2			
Flannelette	yds.	100	Every 1,000 stand of arms.
Section H1			
Minerals jelly, red ...	lb.	13⅞	Includes 1⅞ lb. for 25 per cent. of bayonets re-greased after examination.
Oil, M.80	gal.	1½	Every 1,333 stand of arms.
Section H2 (N.I.V.)			
Sheeting, old	lb.	15	Every 1,000 stand of arms.

TABLE 4

(*Referred to in para.* **258**)

MATERIAL FOR CARE AND PRESERVATION OF RIFLES, A/T (BOYS)

Peace and War

Designation.		Peace Annual supply.	War.
Section B2			
Flannelette	yd.	35 each rifle.	2 each rifle.
Section H1			
Oil, M.80 or "A"	pt.	2 each rifle.	1 each rifle.
Section H2 (N.I.V.)			
Rags, cotton, white ...	lb.	2 for armourer.	1 for armourer.

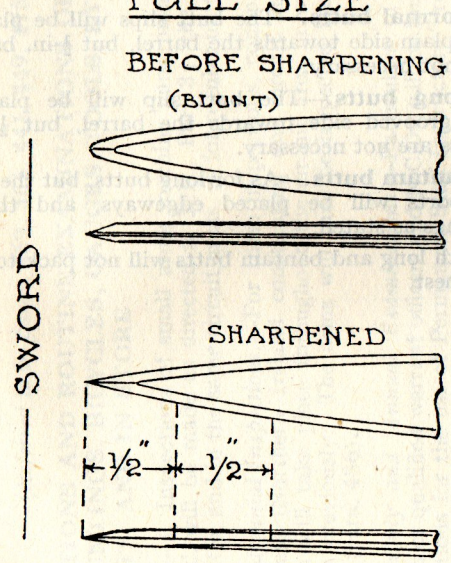
APPENDIX 13

(*Referred to in para.* **139**)

INSTRUCTIONS FOR SHARPENING SWORDS

Hold the sword with point resting in a shallow nick cut in the edge of bench (or fix in a vice) so that the angle of the edge is horizontal. With a "File, saw, taper, second cut, single, 8-in." file until the point and edges are sharp, the filing being restricted to a distance of ½ in., and then blending to 1 in. from the point. The filed surface will then be smoothed off and polished with "Cloth, emery, No. F," and then lubricated with "Oil, M.80."

This operation will be carried out regimentally under the supervision of an armourer.



APPENDIX 14

(*Referred to in para.* **160**)

INSTRUCTIONS FOR PACKING RIFLES

When packing short rifles having long, short or normal butts, in chests, S.A., No. 1, Mk. II, the false end support will be fixed flat to the end of the chest. When packing short rifles with bantam butts, the false end supports will be fixed edgeways and the bridge fittings placed between fillets towards the centre of the chest.

The butt slips and back strips will be placed as follows :—

For short butts.—The butt slips will be placed with the plain side towards the barrel and a ½-in. back strip placed between the butt plate and false end of the chest.

For normal butts.—The butt slips will be placed with the plain side towards the barrel, but ½-in. back strips are not necessary.

For long butts.—The butt slip will be placed with the grooved side towards the barrel, but ½-in. back strips are not necessary.

For bantam butts.—As for long butts, but the false end supports will be placed edgeways, and the bridge fittings as stated.

Rifles with long and bantam butts will not pack together in the same chest.

APPENDIX 15

(*Referred to in paras.* **259, 364, 441, 449, 475, 486, 562** *and* **Appx. 54**)

INSPECTIONS AND ROUTINE EXAMINATIONS OF SMALL ARMS, MACHINE GUNS, MOUNTINGS, BICYCLES, GAUGES, TOOLS, ETC., IN POSSESSION OF REGULAR UNITS, AND IN STORE

NOTES.—1. Inspections of small arms, machine guns, mountings and bicycles with units of the T.A. and O.T.C. will be made as directed in E.R., Part 3; the quadrennial inspections being carried out concurrently, and in the same circuit areas, as for regular units.

2. *Quadrennial Inspections.*—For these inspections, commands are geographically divided into four circuit areas (Northern Ireland constituting one circuit area). The current R.A.O.C. quadrennial inspection will take place throughout the circuit area in which inspection was made by the C.I.S.A. two years previously. The arms will thus be inspected biennially—alternately by the C.I.S.A. and R.A.O.C. (para. **486**).

3. *Quarterly and Annual Examinations.*—Particulars of the examinations carried out by unit armourers or qualified warrant officers and N.C.Os. will be found in "Instructions for Armourers" and "Instructions for the use of Permanent Staff Instructors," respectively.

4. A.I.As. will visit units in each command in those circuit areas not due for quadrennial inspection by either the C.I.S.A. or R.A.O.C. (para. **486**).

Inspections and Routine Examinations of Small Arms, etc.—*continued*

Arm.	Regular units with armourers.	Regular units without armourers (including infantry depots).	Mobilization.	In store.	Units abroad.
		1. Inspections by C.I.S.A.			
Small arms, machine guns and mountings (including M.Gs. and mountings in A.F.Vs.).	*Quadrennially.* — Inspection throughout one circuit area in each command annually (para. **486**). *See* Note (2) above.	*Quadrennially.*—Inspection including replacement of minor components as required throughout the circuit area visited by C.I.S.A's. examiners (paras. **486** and **489**).	*Quadrennially.*—Inspection, as under, throughout the circuit area visited by C.I.S.A's. examiners :— *Small arms.*—(*a*) 10 per cent., to include in the case of rifles re-greasing between fore-end and barrel. *M.Gs. and mountings.*—100 per cent.	—	—

		2. Routine examinations and inspections by A.I.A.			
Small arms, machine guns and mountings (including M.Gs. and mountings in A.F.Vs.).	*Quadrennially.* — Inspection under an A.I.A. throughout one circuit area in each command annually (para. **486**). *See* Note (2) above.	*Quadrennially.*—Inspection under an A.I.A. throughout the circuit area due for inspection by the R.A.O.C. (para. **486**).	*Quadrennially.*—Inspection under an A.I.A. as under, throughout the circuit area due for inspection by the R.A.O.C. :— *Small arms.*—(*a*) 10 per cent., to include in the case of rifles re-greasing between fore-end and barrel. *M.Gs. and mountings.* — 100 per cent.	—	*Biennially.* — Inspection under an A.I.A.

(*a*) If the condition of the 10 per cent. inspected indicates that further examination is desirable, a report of the circumstances will be rendered to the G.O.C.-in-C., who will, if necessary, order the examination of a further percentage. Similar action will be taken by C.I.S.A's. examiners ; a report being rendered to the C.I.S.A. immediately.

Inspections and Routine Examinations of Small Arms, etc.—*continued*

Arm.	Regular units with armourers.	Regular units without armourers (including infantry depots).	Mobilization.	In store.	Units abroad.
		3. Routine examinations and inspections by R.A.O.C. and Unit.			
Small arms, machine guns and mountings (including M.Gs. and mountings in A.F.Vs.).	*Quarterly.* — Routine examination by an armourer. One of the examinations must be arranged before weapon training courses are fixed. *Annually.* — General examination by an armourer. This will take place as soon as possible after completion of the training season, and will coincide with the quarterly examination.	**Infantry depots.** *Quarterly.* — Routine examination and repairs by a circuit armourer, qualified warrant officer or N.C.O. *Annually.*—General examination and repairs by a circuit armourer, qualified warrant officer or N.C.O., to include in the case of rifles re-greasing between fore-end and barrel. This examination must coincide, where possible, with the quarterly examination (*see also* para. **441**).	*Annually.* — 100 per cent. cleaned and re-greased internally and externally (para. **256**). *Biennially.* — Examination by an armourer, as under, in the years when quadrennial inspection is not due :— *Small arms.*—10 per cent., to include in the case of rifles re-greasing between fore-end and barrel. *M.Gs. and mountings.* — 100 per cent.	*Annually.* — 100 per cent. cleaned and re-greased internally and externally (paras. **445** and **464**). *Annually.* — Examination, as under, by an armourer :— *Small arms.*—10 per cent., to include in the case of rifles re-greasing between fore-end and barrel (para. **466**). *M.Gs. and mountings.*—100 per cent.	*Quarterly.* — Routine examination by an armourer (para. **449**). *Annually.* — General examination by an armourer, to include in the case of rifles re-greasing between fore-end and barrel. To coincide with one quarterly examination.
		Other regular units. *Quarterly.*—Examination and repair by circuit armourer of machine guns only. In the case of small arms, as required during quarterly visits to examine machine guns (*see also* para. **441**). *Annually.*—General examination and repair by circuit armourer, to include regreasing of rifles between fore-end and barrel. This inspection must coincide, where possible, with the quarterly inspection (*see also* para. **441**).			

Inspections and Routine Examinations of Small Arms, etc.—*continued*

Arm.	Regular units with armourers.	Regular units without armourers (including infantry depots).	Mobilization.	In store.	Units abroad.
	3. Routine examinations and inspections by R.A.O.C. and Unit—*continued*				
		All units.			
Bicycles	*Weekly.* — Routine examination by a unit officer (para. **484**). *Monthly.* — Routine examination by armourer. *Annually.* — General examination by armourer. *Quadrennially.* — Inspection under an A.I.A. throughout the circuit area due for inspection by the R.A.O.C.	*Weekly.* — Routine examination by a unit officer (para. **484**). *Quarterly.*—Routine inspection and repairs by qualified warrant officer or N.C.O. of units having no personnel qualified, inspection and repair by circuit armourer, as required, during quarterly visits to examine M.Gs. (*see also* para. **441**). *Quadrennially.*—Inspection under an A.I.A. throughout the circuit area due for inspection by the R.A.O.C.	*Quadrennially.* — 100 per cent. inspected under an A.I.A. throughout the circuit area due for inspection by the R.A.O.C.	*Annually.* — 100 per cent. examined. 10 per cent. stripped and re-lubricated by an armourer.	*Weekly.* — Routine examination by a unit officer (para. **484**). *Quarterly.* — Routine examination and repairs by an armourer. *Biennially.* — Inspection under an A.I.A.

4. Inspection of Gauges, Tools, etc.

Gauges, armourers—reference gauges only	*Annually.*—By the C.I.S.A.
Gauges, armourers	*Annually.*—Verified by the R.A.O.C.
Special gauges, components special to examiners, and special tools (N.I.V.) (*a*)	*Annually.*—By the C.I.S.A.
Tools, armourers	*Quadrennially.*—Inspection under an A.I.A. during quadrennial inspection of arms.

(*a*) Special instructions are given by the C.I.S.A. for the examination of the special gauges, etc., held abroad.

APPENDIX 16

(*Referred to in paras.* **440** *and* **562**)

LIST OF REPAIRS NOT TO BE UNDERTAKEN IN R.A.O.C. WORKSHOPS OR BY UNIT OR CIRCUIT ARMOURERS

Item.	Repair work not to be undertaken.	Action to be taken.
	Rifles, No. 1 and 2	
1	Replacement of barrel or body, backsight bed and block band foresight	When such replacement or repair is required the rifle or bolt will be exchanged.
2	Repair of body, also bolt where recoil shoulders or set of handle is affected ...	
3	Repair of ramps of backsight bed and refixing backsight bed when loose ...	
	Bayonets and Scabbards	
4	Adjustment of sword bar slot in pommel of bayonet	Where the slot is badly worn or the blade requires resetting the bayonet will be exchanged.
5	Re-setting blade	
6	Fitting new leather to scabbard (*a*) ...	
	Pistol, Revolver, No. 1	
7	Replacement of barrel, body or cylinder	Where such replacement or repair is required the pistol will be exchanged.
8	,, ,, shield in body	
9	,, ,, extractor in cylinder ...	
	Pistol, Revolver, No. 2	
10	Replacement of barrel and body ...	When such replacement is required the pistol or cylinder will be exchanged.
11	,, ,, extractor in cylinder ...	
12	,, ,, cylinder (*a*)	
	Pistol, Signal, 1-in.	
13	Replacement of barrel or body	Exchange pistol.
	Swords and Scabbards	
14	Re-setting blade of sword	Exchange sword.
15	Repair of scabbard (*a*), (*b*)	
	Lances	
16	Replacement of stave	Exchange lance.
	Hotchkiss ·303-in. Machine Gun	
17	Replacement of—	
	Body	Exchange gun.
	Block, breech	
	Guard, trigger	
	Nut, fermature	
	Piston	
	Lewis ·303-in. Machine Gun	
18	Repair or replacement of body	Exchange gun.
19	Extensive repair or replacement of casing radiator rear.	
20	Replacement of stud, actuating, feed arm	Exchange bolt.

List of repairs not to be undertaken in R.A.O.C. Workshops or by Unit or Circuit Armourers—*continued*

Item.	Repair work not to be undertaken.	Action to be taken.
	Vickers Machine Gun	
21	Repair of casings, barrel and breech ...	Exchange gun.
22	Replacement of—	
	Bracket, foresight	
	Cover, rear, complete	
	Casing lock	Exchange lock.
	Levers, side, pair	
23	Repair of bracket foresight and boss condenser (*a*).	
	All Small Arms and Machine Guns	
24	Hardening and tempering of components and springs	Exchange for serviceable components and springs.
	Bren ·303-in. Machine Gun	
25	Repair or replacement of body	Exchange gun.
26	,, ,, ,, ,, butt slide ...	
27	Replacement of barrel nut	
28	,, ,, gas cylinder	
29	,, ,, locking shoulder ...	
30	,, ,, piston on piston extension	Exchange piston complete.
31	,, ,, barrel sleeve	Exchange barrel.
	Rifle, A/T (Boys)	
32	Replacement of barrel and body ...	Exchange rifle.
33	Adjustment of distorted or damaged tubes of the cradle frame affecting the free recoil of the barrel and body ...	
34	Adjustment of bent or damaged elevating screw threads on the front support ...	
	Bicycles	
35	Repairs necessitating brazing and/or stove enamelling (*a*).	
	Besa 7·92-mm. Machine Gun	
	Replacement of—	
36	Barrel in sleeve	Exchange assembled barrel.
37	Barrel retainer	
38	Body	Exchange gun.
39	Cover	
40	Piston stem in piston extension ...	Exchange piston.
41	Studs in barrel extension.	Exchange barrel extension.
42	Return spring guide rod	Exchange return spring guide.
43	Feed pawl	Exchange feed slide.
44	Trigger guard body	Exchange trigger guard.
	Besa 15-mm. Machine Gun	
	Replacement of—	
45	Body	Exchange gun.
46	Cover	
47	Piston stem in piston extension ...	Exchange piston.
48	Feed pawl	Exchange feed slide.
49	Trigger guard body	Exchange trigger guard.

(*a*) Repaired in C.A. workshops. (*b*) Sword to be forwarded with scabbard.

APPENDIX 17*

(*Referred to in para.* **39**)

CONDITIONS GOVERNING THE SALE OF RIFLES

S.M.L.E. rifles, of any service pattern, may be issued on prepayment, under the following conditions, to :—

Officers of the regular forces and R.A.R.O.

Conditions

1. Issues, which will be limited to one rifle for each officer, will be authorized on the distinct understanding that the arms are not required for the purposes of sale or trade.

2. All rifles must be obtained from Weedon, and are not to be issued on prepayment from local stocks. They will be demanded, through the usual channels, on quarterly indents, which will be submitted so as to reach Weedon on the 1st January, 1st April, 1st July and 1st October.

A nominal roll showing the ranks, names and units of the individuals for whom arms are demanded will accompany each indent.

In the case of officers of the reserve of officers, applications will be made individually to the War Office direct.

3. Before despatch from Weedon, a special sale mark $\overset{S}{\rightarrow\leftarrow}$ will be applied to all rifles issued for sale, and only such arms will be issued on prepayment.

4. Local stocks of arms bearing the special sale mark will not be held in anticipation of prepayment demands.

5. The vocabulary rate current at date of issue, plus 1*s.* each arm to cover the cost of special sale marking, will be charged and recovered locally by the command paymaster.

6. All rifles sold under the foregoing conditions will become the personal property of the purchaser, and will not be accounted for in the equipment ledgers of units.

7. Spare parts and components may also be supplied on prepayment for the repair of service arms issued under the foregoing instructions. Barrels with bodies must be obtained from Weedon in the manner prescribed for complete arms. They will be marked with the special sale mark, for which a charge of 1*s.* in addition to vocabulary rate will be made. Credit for replaced parts, if returned to store, cannot be allowed.

* Suspended for the duration of the war.

APPENDIX 18

(*Referred to in para.* **472**)

LIST OF CONTENTS OF BAG, SPARE PARTS AND TOOLS, M.G., FILLED, HOTCHKISS ·303-IN.

Designation.	No.	Remarks.
Section B1		
Pullthroughs—		
Double, Mk. I, " B "	2	(*a*) To correspond in height to those fitted to the gun barrel and spare barrel respectively.
Gauze	6	
Section C1		
Boxes, small parts, M.G., No. 1, Mk. I	1	
Brushes, cleaning, Hotchkiss ·303-in. M.G., Mk. I	1	(*b*) Two of these are issued with the spare sight in the case of tank guns.
Cans, oil, M.G., Mk. I	1	
Cleaners, gas cylinder, Hotchkiss ·303-in. M.G., Mk. I	1	(*c*) R.T.R. units only.
Extractors, hand, Hotchkiss ·303-in., M.G., Mk. I	3	(*d*) One carried on the gun.
Guns, machine, Hotchkiss ·303-in.—		
Cover, sight, fore	1	
Ejectors	1	
Extractors	1	
Pins, firing	2	
Screws, locking	2	
Sights, fore	2 (*a*)	
Springs, cartridge stop	1	
,, ejector	1	
,, extractor	2	
,, feed, No. 2	2	
,, recoil	1	
,, sear	2	
Washers, spring, backsight ...	6 (*b*)	
Guns, machine, Hotchkiss ·303-in., Mk. I*—		
Sight, back, tubular	1 (*c*)	
Hammers, M.G., Mk. I	1	
Keys, ejector, Hotchkiss ·303-in. M.G., Mk. I	1	
Punches, No. 3, M.G., Mk. I	1	
Reflectors, mirror, ·303-in. M.G., Mk. I	1	
Rods, cleaning, bore, Hotchkiss ·303-in. M.G., Mk. I	1	
Screwdrivers, large, M.G., Mk. I ...	1	
Wrenches, Hotchkiss ·303-in. M.G., Mk. I	3 (*d*)	
Section D1		
Brushes, harness, hard	1	

LIST OF CONTENTS OF BAG, SPARE PARTS AND TOOLS, M.G., FILLED, LEWIS ·303-IN.

Designation.	No.	Remarks.
Section B1		
Pullthroughs—		
Double, Mk. I, " B "	1 (*a*)	(*a*) To be increased to 2 on mobilization.
Gauze	3 (*b*)	(*b*) To be increased to 6 on mobilization.
Section C1		(*c*) Or Balances, spring, M.G., Mk. I.
Balances, spring, combination, Lewis ·303-in. M.G., Mk. I	1 (*c*)	(*d*) With feed arm actuating stud and two extractors.
Boxes, small parts, M.G., No. 1, Mk. I	1	(*e*) Complete with pinion, return spring casing, return spring, hub and tension screw, and pinion pawl with spring and pin.
Brushes, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	5	(*f*) Or Mk. I (Mk. II is supplied with spring extractor).
Cans, oil, M.G., Mk. I	1	(*g*) Or Mk. I (under heading of Guns, machine, Lewis ·303-in., Mk. I).
Guns, machine, Lewis ·303-in.—		(*h*) With return spring casing and hub in tin box.
Blades, foresight, H.	1	(*i*) Or No. 1.
,, foresight, L.	1	(*j*) Or No. 4, M.G., Mk. II.
Bolts	1 (*d*)	
Casings, pinion, assembled ...	1 (*e*)	
Covers, ejector	1	
Ejectors	1	
Extractors, Mk. II	4 (*f*)	
Guides, cartridge	3	
Handles, cocking, No. 1	2	
Heads, screw, tangent sight ...	1	
Keys, gas regulator	1	
Pawls, feed arm, Mk. I*	2 (*g*)	
,, pinion	1	
,, stop, magazine, No. 1, Left, Mk. I*	1 (*g*)	
,, stop, magazine, No. 2, Right, Mk. I*	1 (*g*)	
Pins, fixing, striker	2	
,, head, screw, tangent sight ...	2	
,, locking, body	2	
,, pawl, pinion.	2	
,, sear	2	
,, trigger	2	
Regulators, gas, Mk. I	1	
Sears, Mk. I	1	
Springs, head, screw, tangent sight	2	
,, pawl, feed arm	3	
,, pawl, pinion	4	
,, pawls, stop, magazine ...	2	
,, return	4 (*h*)	
,, trigger	1	
Strikers	1	
Washers, packing barrel	6	
Guns, machine, Lewis ·303-in., Mk. I—		
Screws, butt cap	2	
,, clamp ring, No. 2	1 (*i*)	
Handles, loading, magazines, Lewis ·303-in. M.G., Mk. I	5	

List of Contents of Bag, etc.—*continued*

Designation.	No.	Remarks.
Section C1—continued		
Mops, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	1	
Plugs, clearing, Lewis ·303-in. M.G., Mk. I	1	
Punches, No. 3, M.G., Mk. I	1 (*j*)	
Reflectors, mirror, ·303-in. M.G., Mk. I	1	
Screwdrivers, small, M.G., Mk. I ...	1	
Spanners, Lewis ·303-in. M.G., Mk. I	1	
Wallets, Lewis ·303-in. M.G., No. 1, Mk. I, Empty	1	

BOXES, BATTALION SPARES, BREN ·303-IN. M.G., MK. I

List of stores (which may be demanded separately) carried in box

NOTE :—Box filled " A " is for units with 10 to 24 M.Gs.
Box filled " B " is for units with 25 to 74 M.Gs.
Units with 75 to 105 M.Gs. will have 2 Boxes filled " B."

Designation.	Filled. " A."	Filled. " B."	Remarks.
Section C1			
Guns, machine, Bren, ·303-in., Mk. I—			
Blocks, breech, assembled ...	8	16 (*a*)	(*a*) Carried in upper tray.
Blades, foresight—			
·28-in.	8	15 (*a*)	(*b*) Carried in bottom of box.
·31-in.	4	8 (*a*)	
·34-in.	2	4 (*a*)	(*c*) Carried in lower tray.
·37-in.	2	4 (*a*)	
·40-in.	3	5 (*a*)	
Butts	1	2 (*b*)	
Caps, tube, return spring ...	2	3 (*a*)	
Catches, cover, ejection opening	1	2 (*a*)	
Catches, leg, bipod	1	1 (*a*)	
Covers, magazine opening ...	1	2 (*a*)	
Extractors	3	5 (*a*)	
Grips, handle, butt (also for carrying handle)	2	4 (*c*)	
Leaves, backsight	1	2 (*a*)	
Nuts, screw, bipod sleeve ...	1	2 (*a*)	
Pins, firing	5	10 (*a*)	

List of Stores, etc.—*continued*

Designation.	Filled. "A."	Filled. "B."	Remarks.
Section C1—continued			
Guns, machine, Bren, ·303-in., Mk. I—*continued*			
Pins, mounting	2	4 (*a*)	
Screws, retaining, mounting pin	13	25 (*a*)	
Pistons, assembled	1	1 (*b*)	
Protectors, foresight	1	2 (*a*)	
Posts, piston	2	4 (*a*)	
Retainers, regulator, gas ...	5	10 (*a*)	
Sears	1	2 (*a*)	
Springs, pin, firing	3	5 (*a*)	
,, post, piston	3	5 (*a*)	
,, return	3	5 (*a*)	
,, stay, extractor... ...	1	2 (*a*)	
,, catch, magazine ...	3	5 (*a*)	
Stays, extractor	1	2 (*a*)	
Plates, butt	1	2 (*a*)	
Mountings, tripod, Bren ·303-in. M.G., Mk. I—			
Brackets, A.A.	3	5 (*c*)	
Clips, butt handle	5	10 (*a*)	
Retainers, legs, A.A.	3	5 (*a*)	

BOXES, BATTALION SPARES, LEWIS ·303-IN. M.G., MK. I

List of Stores (demanded separately) carried in box

Designation.	No.	Remarks.
Section C1		
Boxes, small parts, M.G., No. 1, Mk. I	1	
Guns, machine, Lewis ·303-in.—		
Bands, barrel	4	
Blades, foresight, H.	4	
,, foresight, L.	4	
Springs, trigger	2	
Triggers	2	
Washers, packing barrel	6	
Guns, machine, Lewis ·303-in., Mk. I—		
Butts, Mk. II, normal	4	
Caps, butt, Mk. I*	4	
Screws, butt cap	4	

LIST OF CONTENTS OF HOLDALL, LEWIS ·303-IN. M.G., MK. I, FILLED

Designation.	No.	Remarks.
Section B1		
Pullthroughs—		
Double, Mk. I "B"	1 (*a*)	(*a*) To be increased to 2 on mobilization.
Gauze	3 (*b*)	(*b*) To be increased to 6 on mobilization.
Section C1		(*c*) Or No. 1.
Boxes, small parts, M.G., No. 2, Mk. I	1	(*d*) With return spring casing and hub in tin box.
Brushes, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	2	(*e*) Or No. 4, M.G., Mk. II.
Cans, oil, M.G., Mk. I	1	(*f*) A contents list is enclosed in each wallet.
Guns, machine, Lewis ·303-in.—		
Covers, ejector	1	
Handles, cocking, No. 1	1	
Keys, gas regulator	1	
Pins, fixing, striker	2	
,, locking, body	1	
,, sear	1	
,, trigger	1	
Regulators, gas, Mk. I	1	
Rods, piston, No. 2	1 (*c*)	
Springs, pawls, stop, magazine ...	1	
,, return	1 (*d*)	
Strikers	1	
Handles, loading, magazines, Lewis ·303-in. M.G., Mk. I	1	
Mops, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	2	
Punches, No. 3, M.G., Mk. I	1 (*e*)	
Rods, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	1	
,, cleaning, ·303-in. M.G., Mk. II	1	
Spanners, Lewis ·303-in. M.G., Mk. I	1	
Wallets, Lewis ·303-in. M.G., No. 2, Mk. I, Filled	1 (*f*)	

LIST OF CONTENTS OF WALLET, SPARE PARTS, BREN ·303-IN. M.G., MK. I, FILLED

Designation.	No.	Remarks.
Section B1		
Pullthroughs—		
Double, Mk. I, "A"	1	
Gauze	2	
Section C1		
Boxes, small parts, M.G., No. 4, Mk. I	1	
Cans, oil, M.G., Mk. III	1	
Guns, machine, Bren, ·303-in., Mk. I—		
Extractors	1	
Springs—		
Pin, firing	2	
Post, piston	2	
Stay extractor	1	
Stays, extractor	1	
Plugs, clearing, ·303-in. M.G., Mk. I	1	
Tools, combination, Bren ·303-in. M.G., Mk. I	1	

LIST OF CONTENTS OF WALLET, LEWIS ·303-IN. M.G., No. 1, FILLED

Designation.	No.	Remarks.
Section C1		
Boxes, small parts, M.G., No. 2, Mk. I	1	(*a*) Or Mk. I (Mk. II is supplied with spring).
Cleaners, gas regulator, Lewis ·303-in. M.G., Mk. I	1	(*b*) With return spring casing and hub in tin box.
Guns, machine, Lewis ·303-in.—		(*c*) Or No. 1.
Extractors, Mk. II	4 (*a*)	
Heads, screw, tangent sight ...	1	
Pawls, pinion	1	
Pins, head, screw, tangent sight ...	1	
,, pawl pinion	2	
,, sear	1	
,, trigger	1	
Sears, Mk. I	1	
Springs, head screw, tangent sight	1	
,, pawl, feed arm	1	
,, pawl, pinion	2	
,, pawls, stop magazine ...	1	
,, return	1 (*b*)	
Guns, machine, Lewis ·303-in., Mk. I—		
Screws, clamp ring, No. 2	2 (*c*)	
Screwdrivers, small, M.G., Mk. I ...	1	

LIST OF CONTENTS OF WALLET, LEWIS ·303-IN. M.G., No. 2, FILLED

Designation.	No.	Remarks.
Section C1		
Balances, spring, combination, Lewis ·303-in. M.G., Mk. I	1 (*a*)	(*a*) Or Balance, spring, M.G., Mk. I.
Boxes, small parts, M.G., No. 2, Mk. I	1	(*b*) Or Mk. I (Mk. II is supplied with spring).
Guns, machine, Lewis ·303-in.—		(*c*) Or Mk. I (under heading of Guns, machine, Lewis ·303-in., Mk. I).
Bolts	1	
Casings, pinion, assembled ...	1	
Ejectors	1	
Extractors, Mk. II	2 (*b*)	
Guides, cartridge	2	
Handles, cocking, No. 1	1	
Pawls, feed arm, Mk. I*	1 (*c*)	
,, stop, magazine, No. 1, Left, Mk. I*	1 (*c*)	
,, stop, magazine, No. 2, Right, Mk. I*	1 (*c*)	
Pins, locking, body	1	
Springs, pawl, feed arm	2	
,, pawls, stop, magazine ...	1	
Plugs, clearing, Lewis ·303-in. M.G., Mk. I	1	
Reflectors, mirror, ·303-in. M.G., Mk. I	1	

LIST OF CONTENTS OF WALLET, VICKERS ·303-IN. M.G., MK. I, FILLED

Designation.	No.	Remarks.
Section B1		
Pullthroughs—		(*a*) To be increased to 2 on mobilization.
Double, Mk. I, " B "	1 (*a*)	(*b*) Or No. 2.
Gauze	1 (*a*)	(*c*) Or No. 1.
Section C1		(*d*) For Mk. IV tripod mounting.
Guns, machine, Vickers, ·303-in.—		
Cups, muzzle-attachment, ball, Mk. II	1	
Discs, muzzle-attachment, ball ...	1	
Fusees, with chain	1	
Gibs, No. 3	1 (*b*)	
Pins, firing, No. 2	1 (*c*)	
,, trigger	1	
,, tumbler	1	
Sears	1	
Springs, gib	1	
,, lock, No. 2	2 (*c*)	
Triggers	1	
Tumblers	1	
Washers, adjusting, No. 1	3	
,, adjusting, No. 2	3	
Guns, machine, Vickers, ·303-in., Mk. I—		
Cork, for plug	1	
Protectors, muzzle, Vickers ·303-in. M.G., Mk. I	1	
Punches—		
No. 3, M.G., Mk. I	1	
No. 5, M.G., Mk. I	1	
Reflectors, mirror, ·303-in. M.G., Mk. I	1	
Screwdrivers, small, M.G., Mk. I ...	1	
Section F		
Pliers, side-cutting, 6-in.	1	
Section G1		
Pins, keep, split, $\frac{1}{8}$-in. $\times 2\frac{1}{2}$-in. ...	3 (*d*)	

LIST OF CONTENTS OF BOX, SPARE PARTS AND TOOLS, VICKERS ·303-IN. M.G., MK. II, FILLED

NOTE.—Items carried in the field box which are separately demandable and separately chargeable, are not included in these lists.

Designation.	No.	Remarks.
Section B1		
Pullthroughs—		
Gauze	4	(*a*) Or No. 2.
Section C1		(*b*) Or No. 1.
Belts, ·303-in., 250-round, Mk. I—		(*c*) Pieces 5 yards long.
Eyelets, long ... ... oz.	½	(*d*) With piston.
Strips, long	25	(*e*) Interchangeable with No. 1 levers in locks, but wherever possible they should be assembled in their respective groups.
,, short	25	
Boxes, small parts, M.G., No. 1, Mk. I	3	
Guns, machine, Vickers ·303-in.—		
Blocks, feed, right-hand	2	
Bushes, axis, side levers	1	
Collars, roller	1	(*f*) For Mk. IV tripod mounting.
Cups, muzzle-attachment, ball, Mk. II	1	
Discs, muzzle-attachment, ball ...	4	
Fusees, with chain	1	
Gibs, No. 3	1 (*a*)	
Levers, extractor, Left, No. 2 ...	1 (*b*) (*e*)	
,, extractor, Right, No. 2 ...	1 (*b*) (*e*)	
Packing, asbestos	4 (*c*)	
Pins, firing, No. 2	2 (*b*)	
,, fixing, crank handle	1	
,, split, bush, axis, side levers ...	1	
,, split, check nut, long	3	
,, split, collar, roller, No. 2 ...	2	
,, split, muzzle-attachment ...	1	
,, T, fixing, rear-crosspiece ...	2	
,, trigger	1	
,, tumbler	1	
Plugs, front cover catch	2	
Plunger, front cover catch	2	
Rollers	1	
Springs, bottom pawl, R.H. feed block	1	
,, rear cover lock	2	
,, front cover catch	2	
,, gib	1	
,, lock, No. 2	4 (*b*)	
,, sear	2	
,, top pawls, feed block No. 1	2	
Guns, machine, Vickers ·303-in., Mk. I—		
Corks, for plug	1	
Glands, packing	1	
Plugs, cork	1	
,, screwed	1	
Sights, fore	1	
,, tangent, Mk. III**	1	
Springs, safety catch	2 (*d*)	
,, shutter catch	2	
,, tangent sight	1	
,, trigger bar	2	

List of Contents of Box, etc.—*continued*

Designation.	No.	Remarks.
Section C1—continued		
Hammers, M.G., Mk. I	1	
Mountings, tripod, ·303-in. M.G., Mk. IV—		
Washers, elevating nut	6	
Screwdrivers, large, M.G., Mk. I ...	1	
Tools, belt repairing, Vickers ·303-in. M.G., Mk. I	1	
Section F		
Spanners, adjustable, 7-in.	1	
Section G1		
Pins, keep, split, ⅛-in.×2½in.	6 (*f*)	

LIST OF CONTENTS OF BOX, SPARE PARTS AND TOOLS, BESA 7·92-MM. M.G., No. 1, MK. I

Designation.	No.	Remarks.
Section B1		
Bottles, oil, Mk. IV (or Mk. V)	1	
Section C1		
Cans, oil, M.G., Mk. III	1	
Section C2		
Guns, machine, Besa 7·92-mm.—		
Extractors	1	
Pins, firing	1	
Springs, accelerator, inner	1	
,, accelerator, outer	1	
,, pawl, feed	1	
,, pawl, retaining	1	
,, pin, firing	1	
,, recoil	1	
,, return	2	
,, stay, extractor	1	
Stays, extractor	1	
Washers, locking, flash eliminator ...	2	
Plugs, clearing, Besa 7·92-mm. M.G. Mk. I	1	
Punches—		
Brass, Besa M.G., Mk. I	1	
Steel, Besa 7·92-mm. M.G., Mk. I ...	1	
Rods, cleaning, Besa 7·92-mm. M.G., Mk. I. Sectional; with loop wire brush and jag	1	
Tools, combination, Besa 7·92-mm. M.G., Mk. I	1	

LIST OF CONTENTS OF BOX, SPARE PARTS AND TOOLS, BESA 15-MM. M.G., MK. I

Designation.	No.	Remarks.
Section B1		
Bottles, oil, Mk. IV (or Mk. V)	1	
Section C1		
Cans, oil, M.G., Mk. III	1	
Section C2		
Brushes, chamber, Besa 15-mm. M.G., Mk. I	1	
Guns, machine, Besa 15-mm., Mk. I—		
Extractors	1	
Pins, firing	1	
Springs, buffer, piston extension, inner	1	
,, buffer, piston extension, outer	1	
,, pawl, feed	1	
,, pawl, retaining	1	
,, pin, firing	1	
,, recoil	1	
,, return...	2	
,, stay, extractor	1	
Stays, extractor	1	
Plugs, clearing, Besa 15-mm. M.G., Mk. I	1	
Punches—		
Brass, Besa M.G., Mk. I	1	
Steel, Besa 15-mm. M.G., Mk. I ...	1	
Rods, cleaning, Besa 15-mm. M.G., Mk. I. Sectional; with bristle and wire brushes, loop and plug	1	
Tools, combination, Besa 15-mm. M.G., Mk. I	1	

LIST OF CONTENTS OF PACK, SPARE PARTS AND TOOLS, BESA 7·92-MM., M.G., MK. I

Designation.	Filled (*c*). A.	Filled (*c*). B.
Section B1		
Bottles, oil, Mk. IV (or Mk. V)	1	2
Section C1		
Boxes, small parts, M.G.—		
No. 2, Mk. II	1	1
No. 4, Mk. I	1	1
Mops, rod, cleaning, cylinder, Bren, ·303-in. M.G., Mk. I	1	1
Brushes, rod, cleaning, cylinder, Besa, 7·92-mm., M.G., Mk. I	1	1
Section C2		
Guns, machine, Besa, 7·92-mm.—		
Extractors (*a*)	2	2
Pins, firing (*a*)	2	5
Slides, feed (*b*). With feed pawl, pin, and spring, assembled	2	3
Springs, accelerator, inner	1	2
,, accelerator, outer	1	2
,, pawl, retaining (*a*)	2	3
,, pin, firing (*a*)	2	5
,, recoil	1	2
,, stay, extractor (*a*)	2	5
Stays, extractor (*a*)	2	2
Washers, locking, flash eliminator (*a*)	5	10
Plugs, clearing, Besa 7·92-mm. M.G., Mk. I	2	5
Punches—		
Brass, Besa M.G., Mk. I	1	2
Steel, Besa 7·92-mm. M.G., Mk. I	1	2
Tools, combination, Besa 7·92-mm. M.G., Mk. I ...	1	1
N.I.V.		
Oiled Linen cloth—		
6-in. × 4½-in. (*a*) ... ... pieces	1	1
7½-in. × 3½-in. (*b*) ... ... ,,	1	1

(*a*) Contained in Box, small parts, M.G., No. 4, Mk. I.
(*b*) Contained in Box, small parts, M.G., No. 2, Mk. II.
(*c*) Filled A—for 1 or 2 guns.
Filled B—for 3 or more guns.

LIST OF CONTENTS OF BOXES, SPARES, M.G., No. 1, MK. I

Emergency Spares

Catalogue number.	Designation.	Filled.† "A."	"B."	"C."	"D."	"E."	"F."	Remarks.
	Section C1							
BD0035	**Balances,** spring, M.G., Mk. I	1	1	1	1	1	1	
	Guns, machine, Vickers, ·303-in., Mk. I—							
BD0620	Blocks, feed, right hand, Mk. I ...	1	1	—	—	1	—	
BD0700	Fusees, with chain	1	1	1	1	1	1	
BD0931	Slides, No. 1, Mk. I	1	1	1	1	1	1	
	Springs—							
BD0944	Fusee, Mk. I	1	1	1	—	—	—	
BD0949–8	Lock, No. 2 (or No. 1)	3	3	3	3	3	3	
	Washers, adjusting—							
BD0993	No. 1	6	6	6	6	6	6	
BD0994	No. 2	6	6	6	6	6	6	
BD2574	**Screwdrivers,** small, M.G., Mk. I ...	1	1	1	1	1	1	
	Section C2							
	Guns, machine, Vickers, ·303-in.—							
	Blocks, feed, left hand, Mk. I* ...	1	—	1	1	1	1	
	Caps, union	—	—	—	—	—	2	
	Plugs, screwed, No. 2	2	2	2	2	2	—	
	Springs, fusee, Mk. II	—	—	—	1	1	1	
	Tools, combination, Vickers ·303-in. M.G., Mk. I*	1	1	1	1	1	1	

† Filled "A" for from 1 to 3 Mks. I, IVA and IVB Vickers ·303-in. M.Gs. with L.H. and R.H. feed blocks.
,, "B" for from 1 to 3 Mks. I, IVA and IVB Vickers ·303-in. M.Gs. with R.H. feed blocks.
,, "C" for from 1 to 3 Mks. IVA and IVB Vickers ·303-in. M.Gs. with L.H. feed blocks.
,, "D" for from 1 to 3 Mk. VI Vickers ·303-in. M.Gs. with L.H. feed blocks.
,, "E" for from 1 to 3 Mk. VI Vickers ·303-in. M.Gs. with L.H. and R.H. feed blocks.
,, "F" for from 1 to 3 Mks. VI* and VII Vickers ·303-in. M.Gs. with L.H. feed blocks.

LIST OF CONTENTS OF BOXES, SPARES, M.G., No. 2, MK. I

Maintenance Spares

Catalogue number.	Designation.	Filled.† "A."	"B."	"C."	"D."	"E."	"F."	"G."	"H."	Remarks.
	Section B1									
	Pullthroughs—									
BA0516	Double, Mk. I "B"	1	1	1	—	—	1	—	1	(*a*) Complete with Mk. II front cone. *See* para. L. of C. A5773.
BB0521	Gauze ... ... pieces	3	3	3	—	—	3	—	3	
	Section B2									
BC3491	**Flannelette** ... ... yds.	5	5	5	5	5	5	5	5	(*b*) Flat. For guns with side checks.
	Section C1									(*c*) For modified guns only.
BD0095	**Boxes,** small parts, M.G., No. 1, Mk. I	1	1	2	1	1	1	1	2	(*d*) For front cover catch pins.
	Guns, machine, Vickers ·303-in., Mk. I—									(*e*) For ejection tube plunger and trigger bar.
BD0768	Muzzle-attachments, ball, Mk. I (*a*)	1	—	—	—	—	—	—	—	(*f*) Not if vehicle is equipped with telescopes, sighting, Mk. II, No. 24.
BD0790	Packing, asbestos ... ... pieces	2	2	2	2	2	2	2	2	
BD0840	Pins, "T" fixing, rear-crosspiece	1	1	1	—	—	1	—	1	
BD2525	**Protectors,** muzzle, Vickers ·303-in. M.G., Mk. I	1	1	1	—	—	—	—	—	
	Punches—									
BD2530	No. 3, M.G., Mk. I	1	1	1	—	1	1	1	1	
BD2532	No. 5, M.G., Mk. I	1	1	1	1	1	1	1	1	
BD2545	**Reflectors,** mirror, ·303-in. M.G., Mk. I	1	—	—	—	—	—	—	—	

List of Contents of Boxes, Spares, M.G., No. 2, Mk. I—*continued*

Catalogue number.	Designation.	Filled.† "A."	"B."	"C."	"D."	"E."	"F."	"G."	"H."	Remarks.
	Section C2									
	Clips, locking, outer casing, muzzle-attachment	1	—	—	—	—	—	—	—	
	Guns, machine, Vickers, ·303-in.—									
	Checks, ejection tube, Mk. II ...	—	—	—	—	—	2	—	2	
	Muzzle-attachments, ball, Mk. IV	1	1	1	—	—	—	—	—	
	Muzzle-attachments, ball, Mk. V	—	—	—	—	—	1	—	1	
	Pins, check, ejection tube ...	—	—	—	—	—	2	—	2	
	Rings, joint	1	1	1	—	—	1	—	1	
	Screws, keeper, gland, muzzle-attachment	1	1	1	—	—	—	—	—	
	Screws, safety catch	1	1	1	1	1	1	1	1	
	Sights, fore, Mk. II	1	1	1	—	—	—	—	—	
	Springs, check, ejection tube ...	1	1	1	—	—	—	—	—	
	Springs, foresight	1	1	1	—	—	—	—	—	
	Springs, front cover catch, Mk. II	1	1	1	—	—	1	—	1	
	Springs, rear cover catch, Mk. I	1	1	1	—	—	—	—	—	
	Springs, rear cover catch, Mk. IV	—	—	—	—	—	1	—	1	
	Springs, safety catch, Mk. II ...	1	1	1	1	1	1	1	1	
	Springs, trigger lever	1	1	1	—	—	1	—	1	
	Guns, machine, Vickers, ·5-in., Mk. II—									
	Catches, finger trigger	—	—	1	1	—	—	—	—	
	Rings, joint, Mk. I	—	—	1	1	—	—	—	—	
	Springs, check, ejection tube (*b*)	—	—	1	1	—	—	—	—	
	Guns, machine, Vickers, ·5-in., Mk. V—									
	Pins, plunger, ejection tube ...	—	—	—	—	—	—	1	1	
	Pins, 'T', fixing, rear-crosspiece, Mk. II	—	—	—	—	—	—	1	1	
	Screws, fixing, trigger guard ...	—	—	—	—	—	—	1	1	
	Springs, front cover catch, Mk. IV	—	—	—	—	—	—	1	1	
	Springs, front cover extractor stop	—	—	—	—	—	—	1	1	
	Springs, layshaft (*c*)	—	—	—	—	—	—	2	2	

	Guns, machine, Vickers, ·5-in.—									
	Pins, 'T', fixing rear-crosspiece, Mk. I	—	—	1	1	1	—	—	—	
	Rings, joint, Mk. II	—	—	—	—	1	—	1	1	
	Springs, front cover catch, Mk. III	—	—	1	1	1	—	—	—	
	Springs, plunger, ejection tube ...	—	—	1	1	1	—	1	1	
	Springs, trigger bar, long ...	—	—	1	1	1	—	1	1	
	Protectors, muzzle, Vickers ·5-in., M.G., Mk. I	—	—	1	1	1	—	1	1	
	Pullthroughs, ·5-in., Mk. I—									
	Gauze ... ... pieces	—	—	3	3	3	—	3	3	
	Reflectors, mirror, Vickers, ·5-in. M.G., Mk. I	—	—	1	1	1	—	1	1	
	Section C3									
	Eliminators, flash, B.P., Mk. I—									
	Washers, locking	—	—	—	—	1	—	1	1	
	Section G1									
	Pins, keep, split—									
GA0799	$\frac{1}{4}$-in. × $\frac{1}{2}$-in. (*d*)	—	—	—	—	2	—	2	2	
GA0822	$\frac{3}{32}$-in. × 1$\frac{1}{2}$-in. (*e*)	—	—	1	1	2	—	1	1	
	Section V1 (N.I.V.)									
	Protectors, object glass, Mk. II ... (For Mk. III, No. 24 sighting telescopes).	—	—	—	—	1 (*f*)	1 (*f*)	1	1	

† Filled "A" for from 1 to 3 Mks. I, IVA and IVB ·303-in. Vickers M.Gs.
" "B" for from 1 to 3 Mks. IVA and IVB ·303-in. Vickers M.Gs.
" "C" for from 1 to 3 Mks. IVA and IVB ·303-in. and Mk. II ·5-in. Vickers M.Gs.
" "D" for from 1 to 3 Mk. II ·5-in. Vickers M.Gs.
" "E" for 1 Mk. IV ·5-in. Vickers M.G.
" "F" for from 1 to 3 Mks. VI, VI* or VII ·303-in. Vickers M.Gs.
" "G" for from 1 to 3 Mk. V ·5-in. Vickers M.Gs.
" "H" for 1 Mk. VI, VI* or VII ·303-in. and 1 Mk. V ·5-in. M.Gs.

LIST OF CONTENTS OF BOXES, SPARES, M.G., No. 3, MK. I

Emergency Spares

Catalogue number.	Designation.	Filled.† "A."	"B."	"C."	"D."	Remarks.
	Section C1					
BD0035	**Balances,** spring, M.G., Mk. I	1	1	1	1	
	Guns, machine, Vickers, ·303-in., Mk. I—					
BD0832	Pins, split, collar roller, No. 2	1	1	1	1	
BD2574	**Screwdrivers,** small, M.G., Mk. I	1	1	1	1	
	Section C2					
	Guns, machine, Vickers ·303-in.—					
	Plugs, screwed, No. 2	1	1	1	1	
	Guns, machine, Vickers, ·5-in., Mk. V—					
	Collars, resistance-piece roller, Mk. II	—	—	1	1	
	Fusees, with chain, Mk. II	—	—	1	1	
	Rollers, resistance-piece, Mk. II	—	—	1	1	
	Guns, machine, Vickers ·5-in.—					
	Blocks, feed, L.H., Mk. II* (or Mk. II) ...	—	1	1	—	
	Blocks, feed, R.H., Mk. II* (or Mk. II) ...	1	—	—	1	
	Collars, resistance-piece roller, Mk. I	1	1	—	—	
	Fusees, with chain, Mk. I	1	1	—	—	
	Rollers, resistance-piece, Mk. I	1	1	—	—	
	Springs, fusee	1	1	1	1	
	Springs, lock	2	2	2	2	
	Washers, adjusting, No. 1	3	3	3	3	
	Washers, adjusting, No. 2	3	3	3	3	
	Tools, combination, Vickers ·5-in. M.G., Mk. II (or Mk. I 'B')	1	1	1	1	

† Filled "A" for from 1 to 3 Mk. II or IV ·5-in. Vickers M.Gs. with R.H. feed blocks.
,, "B" for from 1 to 3 Mk. II or IV ·5-in. Vickers M.Gs. with L.H. feed blocks.
,, "C" for from 1 to 3 Mk. V ·5-in. Vickers M.Gs. with L.H. feed blocks.
,, "D" for from 1 to 3 Mk. V ·5-in. Vickers M.Gs. with R.H. feed blocks.

LIST OF CONTENTS OF CASES, SPARE PARTS AND TOOLS, VICKERS ·303-IN. M.G., MK. I**

Catalogue number.	Designation.	Filled.† "A."	"B."	"C."	Remarks.
	Section B1				
	Pullthroughs—				
	Double, Mk. I "B"	—	—	1	(*a*) Complete with Mk. II front cone. *See* para. L. of C. A5773.
	Gauze	—	—	3	(*b*) Assembled to spare muzzle-attachment.
	Section B2				
	Flannelette ... ... yds.	—	—	5	
	Section C1				
BD0035	**Balances,** spring, M.G., Mk. I	1	1	—	
BD0095	**Boxes,** small parts, M.G., No. 1, Mk. I	—	1	1	
BD0133	**Cans,** oil M.G., Mk. I	1	—	—	
	Guns, Machine, Vickers, ·303-in., Mk. I—				
BD0620	Blocks, feed, right hand, Mk. I	—	1	—	
BD0700	Fusees, with chain	—	1	—	
BD0760	Locks, breech, Mk. I	1	—	—	
BD0768	Muzzle-attachments, ball, Mk. I (*a*)	—	—	1	
BD0790	Packing, asbestos ... ... pieces	—	—	2	
BD0840	Pins, 'T', fixing, rear-crosspiece	—	—	1	
BD0931	Slides, No. 1, Mk. I	—	1	—	
BD0944	Springs, fusee, Mk. I	1	1	—	
BD0949–8	Springs, lock, No. 2 (or No. 1)	—	3	—	

List of Contents of Cases, etc.—*continued*

Catalogue number.	Designation.	Filled.† "A."	Filled.† "B."	Filled.† "C."	Remarks.
	Section C1—continued				
	Guns, Machine, Vickers, ·303-in., Mk. I—*continued*				
BD0993	Washers, adjusting, No. 1	—	6	—	
BD0994	Washers, adjusting, No. 2	—	6	—	
BD2502	**Plugs,** clearing, Vickers, ·303-in. M.G., Mk. I ...	1	—	—	
BD2525	**Protectors,** muzzle, Vickers, ·303-in. M.G., Mk. I ...	—	—	1	
	Punches—				
BD2530	No. 3, M.G., Mk. I	—	—	1	
BD2532	No. 5, M.G., Mk. I	—	—	1	
BD2545	**Reflectors,** mirror, ·303-in. M.G., Mk. I	—	—	1	
BD2574	**Screwdrivers,** small, M.G., Mk. I	—	1	—	
BD2634–3	**Tools,** combination, Vickers ·303-in. M.G., Mk. II (or Mk. I)	1	1	—	
BD2961	**Wallets,** Vickers ·303-in. M.G., Mk. I, filled	1	—	—	
	Section C2				
	Cans, oil, M.G., Mk. II	—	—	1	
	Clips, locking, outer casing, muzzle-attachment (*b*) ...	—	—	1	
	Guns, machine, Vickers, ·303-in.—				
	Plugs, screwed, No. 2	—	2	—	

† Filled "A":—Emergency spares (Ground service).
Filled "B":—Emergency spares (A.F.V's.).
Filled "C":—Maintenance spares (A.F.V's.).

APPENDIX 19

(*Referred to in para.* **473**)

STORES CARRIED IN TRANSPORT VEHICLES OF A.F.V. UNITS

1. Stores shown in this appendix will be carried in unit transport of A.F.V. units, in bulk. The quantities to be carried will be governed by the number of machine guns and M.G. mountings on unit charge. The quantities shown in Table 1 are for ten machine guns and those in Table 2 for ten M.G. mountings. For purposes of calculating quantities to be carried, of items that are common to two or more patterns of machine guns (or mountings), the guns (or mountings) on charge will be grouped together irrespective of type.

2. Cases for spare parts and accessories are not listed, as the numbers required will vary; units will pack as most convenient. The following cases may be used for the purpose and should be indented for as required—

Section B2

Cases, S.A., Nos. 2, 3, 4, 5 and 8

Cases, S.A., Nos. **4** and **5** are suitable for ·303-in. and ·5-in. barrels, respectively.

3. Small parts will be carried in boxes, small parts, M.G., No. 1, Mk. I; the filled boxes will be carried in the cases (cases, S.A., Nos. **3** and **4** are suitable).

4. Oil will be carried in the following receptacles—

Section H1

Bottles, tin, oil, 1-gallon
Drums, oil, 5-gallon

NOTES.—(1) All parts made of steel must be well greased with a mixture of equal parts of mineral jelly, red, and oil, M.80 before packing.

(2) Similar classes of stores will be placed together where possible, *e.g.* asbestos packing, pull-throughs, rubber joint rings, condenser tubing and flannelette go well together.

(3) Whenever possible, barrels will be packed in a separate case. Where it is not practicable to produce suitable fittings to afford protection and prevent movement, the barrels will be protected first by wrappings of grease proof paper and then by layers of old dry blanket.

Barrels must not remain packed in store in this condition during peace.

TABLE 1.—SCALE FOR TEN MACHINE GUNS

(Referred to in para. **473**)

Peace and War unless otherwise stated

NOTE :—Stores carried in unit transport vehicles of A.F.V. units, in bulk.

Catalogue number.	Designation.	·303-in. Vickers M.G.					·5-in. Vickers M.G.		
		I.	IVA and IVB.	VI.	VI.*	VII.	II.	IV.	V.
	Section B1								
	Pullthroughs—								
BA0516	Double, Mk. I " B "	2	2	2	2	2	—	—	—
BB0521	Gauze	2	2	2	2	2	—	—	—
	Section B2								
BC3491	**Flannelette** ... ... yds.	20	20	20	20	20	20	20	20
	Section C1								
BD0040	**Belts,** ·303-in., 250-round, Mk. I (*a*)	50	50	50	50	50	—	—	—
	Eyelets—								
BD0041	Long (*a*) ... ... oz.	1	1	1	1	1	—	—	—
BD0042	Short (*a*) ... ... ,,	1	1	1	1	1	—	—	—
	Strips—								
BD0043	Long (*a*)	50	50	50	50	50	—	—	—
BD0044	Short (*a*)	50	50	50	50	50	—	—	—
BD0095	**Boxes,** small parts, M.G., No. 1, Mk. I	3	3	3	3	3	4	4	4
BD0226	**Chests,** Vickers or Lewis ·303-in. M.G., Mk. III " A " (*a*)	10	—	—	—	—	—	—	—

	Guns, machine, Vickers, ·303-in., Mk. I—								
BD0604	Barrels, Mk. II	2	2	—	—	—	—	—	—
BD0629	Bushes, axis, side levers (*b*)	2	2	4	4	4	—	—	—
BD0645	Collars, roller	1	1	1	1	1	—	—	—
BD0680	Discs, muzzle-attachment, ball	5	5	—	—	—	—	—	—
BD0700	Fusees, with chain	1	1	1	1	1	—	—	—
BD0711–2	Gibs, No. 2 (or No. 3)	3	3	3	3	3	—	—	—
	Levers, extractor—								
BD0746	Left, No. 2	1	1	1	1	1	—	—	—
BD0748	Right, No. 2	1	1	1	1	1	—	—	—
BD0768	Muzzle-attachments, ball, Mk. I	1	—	—	—	—	—	—	—
BD0790	Packing, asbestos ... ... pieces	20	20	20	20	20	30	30	30
	Pins—								
BD0810	Cover, lock	(*c*)	—	—	—	—	—	—	—
BD0813–2	Firing, No. 2 (or No. 1)	5	5	5	5	5	—	—	—
BD0816	Fixing, crank handle	2	2	2	2	2	—	—	—
	Split—								
BD0830	Bush, axis, side levers (*d*)	2	2	4	4	4	—	—	—
BD0832	Collar, roller, No. 2	5	5	5	5	5	5	5	5
BD0842	Trigger, lock	2	2	2	2	2	—	—	—
BD0844	Tumbler	2	2	2	2	2	—	—	—
BD0872	Plugs, front cover catch	2	—	—	—	—	—	—	—
BD0875	Plungers, front cover catch	2	—	—	—	—	—	—	—
BD0907	Screws, graduated plate, upper	—	2	2	2	2	—	—	—
BD0920	Sears	2	2	2	2	2	—	—	—
BD0927	Sights, tangent, Mk. III**	1	—	—	—	—	—	—	—
	Springs—								
BD0940	Bottom pawls, R.H. feed block	2	2	2	2	2	—	—	—
BD0942	Friction, slide, tangent sight	—	2	2	2	2	—	—	—
BD0943	Front cover catch, Mk. I	2	—	—	—	—	—	—	—
BD0944	Fusee, Mk. I	1	1	—	—	—	—	—	—
BD0946	Gib	5	5	5	5	5	—	—	—
BD0949–8	Lock, No. 2 (or No. 1)	2	2	2	2	2	—	—	—
BD0952	Rear, cover lock	2 (*c*)	—	—	—	—	—	—	—

TABLE 1—*continued*

Catalogue number.	Designation.	·303-in. Vickers M.G. I.	·303-in. Vickers M.G. IVA and IVB.	·303-in. Vickers M.G. VI.	·303-in. Vickers M.G. VI.*	·303-in. Vickers M.G. VII.	·5-in. Vickers M.G. II.	·5-in. Vickers M.G. IV.	·5-in. Vickers M.G. V.
	Section C1—continued								
	Guns, machine, Vickers, ·303-in., Mk. I—*continued*								
	Springs—*continued*								
BD0953	Safety catch, Mk. I	2	—	—	—	—	—	—	—
BD0954	Sear	—	—	2	2	2	2	2	2
BD0955	Shutter catch	2	—	—	—	—	2 (*e*)	2 (*e*)	—
BD0958	Tangent sight, Mk. I	2	—	—	—	—	—	—	—
BD0959	Top pawls, feed block, No. 1	2	2	2	2	2	—	—	—
BD0960	Trigger bar	2	—	—	—	—	—	—	—
BD0983	Triggers, lock	1	1	1	1	1	—	—	—
BD0987	Tumblers	1	1	1	1	1	—	—	—
	Washers—								
	Adjusting—								
BD0993	No. 1	20	20	20	20	20	—	—	—
BD0994	No. 2	10	10	10	10	10	—	—	—
BD0995	Slide, tangent sight	—	2	2	2	2	—	—	—
BD2500	**Plugs,** belt, M.G., Mk. I	2	2	2	2	2	—	—	—
BD2525	**Protectors,** muzzle, Vickers ·303-in. M.G., Mk. I	1	1	—	—	—	—	—	—
BD2652	**Tools,** belt repairing, Vickers ·303-in. M.G., Mk. I	1 (*a*)	1 (*a*)	1 (*a*)	1 (*a*)	1 (*a*)	1	1	1
	Section C2								
	Belts, ·5-in., 100-round, Mk. I	—	—	—	—	—	10	10	30
	Eyelets, long ... ... oz.	—	—	—	—	—	1	1	1
	Eyelets, short ... ... ,,	—	—	—	—	—	1	1	1
	Strips	—	—	—	—	—	50	50	50
	Boxes, belt, Vickers ·5-in. M.G., No. 2, Mk. I ...	—	—	—	—	—	—	—	20

	Chests, Vickers—								
	·303-in. M.G., Mk. V (*a*)	—	10 (*f*)	10 (*f*)	10 (*f*)	10	—	—	—
	·5-in. M.G., Mk. I (*a*)	—	—	—	—	—	10	—	—
	·5-in. M.G., Mk. I* (*a*)	—	—	—	—	—	—	10	—
	·5-in. M.G., Mk. II (*a*)	—	—	—	—	—	—	—	10
	Clips, locking, outer casing, muzzle attachment ...	2	—	—	—	—	—	—	—
	Guns, machine, Vickers, ·303-in., Mk. VII—								
	Gaskets, bracket, outlet union	—	—	—	—	5	—	—	—
	Nuts, bracket, outlet union	—	—	—	—	10	—	—	—
	Guns, machine, Vickers, ·303-in.—								
	Barrels, Mk. III	—	—	2	2	2	—	—	—
	Caps, union	—	—	—	2	2	—	—	—
	Chains, loading catch	—	—	2	2	2	—	2	2
	Checks, ejection tube—								
	Mk. I	—	1	—	—	—	—	—	—
	Mk. II	—	—	2	2	2	—	—	—
	Detents, extractor, Mk. II (or Mk. I) (*g*) ...	—	5	5	5	5	—	—	—
	Muzzle-attachments, ball—								
	Mk. IV	—	1	—	—	—	—	—	—
	Mk. V	—	—	1	1	1	—	—	—
	Pins—								
	Axis—								
	Front cover catch	—	5	5	5	5	—	—	—
	Rear cover catch	—	5	—	—	—	—	—	—
	Trigger catch, Mk. I...	—	2	2	2	2	—	—	—
	Check, ejection tube	—	—	2	2	2	—	—	—
	Detent, extractor	—	5	5	5	5	—	—	—
	Layshaft lever	—	2	—	—	—	—	—	—
	Plates, detent, extractor (*h*)	—	5	—	—	—	—	—	—
	Plugs, screwed, No. 2	2	2	2	—	—	2	2	2
	Rings, joint	—	5	5	5	5	—	—	—
	Screws—								
	Finger-piece, rear cover catch	—	—	1	1	1	—	—	—
	Keeper, gland, muzzle-attachment	—	5	—	—	—	—	—	—
	Safety catch	—	1	2	2	2	1	1	1

TABLE 1—*continued*

Catalogue number.	Designation.	·303-in. Vickers M.G.					·5-in. Vickers M.G.		
		I.	IVA and IVB.	VI.	VI.*	VII.	II.	IV.	V.
	Section C2—continued								
	Guns, Machine, Vickers, ·303-in.—*continued*								
	Sights, fore—								
	Mk. II	—	2	—	—	—	—	—	—
	Mk. III	—	—	2	2	2	—	—	—
	Springs—								
	Check, ejection tube	—	1	—	—	—	—	—	—
	Detent, extractor, Mk. II (or Mk. I) (*g*)	—	5	5	5	5	—	—	—
	Foresight	—	2	2	2	2	—	—	—
	Front, cover catch, Mk. II	—	2	2	2	2	—	—	—
	Loading catch	—	—	2	2	2	—	2	2
	Pawls, retaining, L.H. feed block (*i*)	—	4	4	4	4	—	—	—
	Rear cover catch—								
	Mk. I	—	2	—	—	—	—	—	—
	Mk. IV	—	—	2	2	2	—	—	—
	Safety catch, Mk. II	—	2	2	2	2	2	2	2
	Tangent sight, Mk. II	—	2	2	2	2	—	—	—
	Trigger catch, Mk. I	—	5	5	5	5	—	—	—
	Trigger guard catch—								
	Mk. I	—	2	—	—	—	—	—	—
	Mk. II	—	—	2	2	2	—	—	—
	Trigger lever	—	2	2	2	2	—	—	—
	Guns, machine, Vickers, ·5-in., Mk. II—								
	Catches, finger trigger	—	—	—	—	—	2	—	—
	Locks, gland, packing, Mk. II	—	—	—	—	—	2	—	—
	Rings, joint, Mk. I	—	—	—	—	—	2	—	—

	Springs—								
	Check, ejection tube (*k*)	—	—	—	—	—	2	—	—
	Trigger guard carrier catch, Mk. I (*l*)	—	—	—	—	—	2	2	—
	Guns, machine, Vickers, ·5-in., Mk. V—								
	Collars, resistance-piece roller, Mk. II	—	—	—	—	—	—	—	2
	Fusees, with chain, Mk. II	—	—	—	—	—	—	—	1
	Pins, plunger, ejection tube	—	—	—	—	—	—	—	2
	Rollers, resistance-piece, Mk. II	—	—	—	—	—	—	—	2
	Springs—								
	Finger trigger, Mk. II	—	—	—	—	—	—	—	2
	Front cover catch, Mk. IV	—	—	—	—	—	—	—	2
	Front cover extractor stop	—	—	—	—	—	—	—	2
	Layshaft	—	—	—	—	—	—	—	2
	Rear cover catch, Mk. III	—	—	—	—	—	—	—	2
	Trigger guard carrier catch, Mk. II	—	—	—	—	—	—	—	2
	Guns, machine, Vickers, ·5-in.—								
	Balls, steam valve	—	—	—	—	—	—	2	2
	Barrels, Mk. I*	—	—	—	—	—	2	2	2
	Bushes, axis, side lever, Mk. II	—	—	—	—	—	2	2	4
	Collars, resistance-piece roller, Mk. I	—	—	—	—	—	2	2	—
	Detents, extractor, Mk. II (or Mk. I) (*m*)	—	—	—	—	—	5	5	5
	Fusees, with chain, Mk. I	—	—	—	—	—	1	1	—
	Gibs, Mk. III (or Mk. I or II) (*m*)	—	—	—	—	—	2	2	2
	Pins—								
	Firing	—	—	—	—	—	5	5	5
	Fixing, crank handle	—	—	—	—	—	2	2	2
	Split, bush, axis, side lever, Mk. II (*n*)	—	—	—	—	—	2	2	4
	'T', fixing, rear-crosspiece, Mk. I	—	—	—	—	—	1	—	—
	Trigger, lock	—	—	—	—	—	2	2	2
	Tumbler	—	—	—	—	—	2	2	2
	Plates, detent, extractor	—	—	—	—	—	5	5	5
	Plungers—								
	Detent, extractor, Mk. II (or Mk. I) (*m*)	—	—	—	—	—	5	5	5
	Safety stop	—	—	—	—	—	2	2	2

TABLE 1—*continued*

Catalogue number.	Designation.	·303-in. Vickers M.G. I.	IVA and IVB.	VI.	VI*.	VII.	·5-in. Vickers M.G. II.	IV.	V.
	Section C2—continued								
	Guns, machine, Vickers, ·5-in.—*continued*								
	Rings, joint, Mk. II	—	—	—	—	—	—	5	5
	Rollers, resistance-piece, Mk. I	—	—	—	—	—	2	2	—
	Screws—								
	Cap, trip gear	—	—	—	—	—	2	2	2
	Lock, packing gland—								
	Mk. I	—	—	—	—	—	2	—	—
	Mk. II...	—	—	—	—	—	—	2	2
	Sears	—	—	—	—	—	2	2	2
	Springs—								
	Detent, extractor	—	—	—	—	—	5	5	5
	Finger trigger, Mk. I	—	—	—	—	—	2	2	—
	Front cover catch, Mk. III	—	—	—	—	—	2	2	—
	Fusee	—	—	—	—	—	1	1	1
	Gib, Mk. III (or Mk. I or II)	—	—	—	—	—	5	5	5
	Lock	—	—	—	—	—	2	2	2
	Pawls, retaining—								
	L.H. feed block	—	—	—	—	—	2	2	2
	R.H. feed block	—	—	—	—	—	2	2	2
	Plunger—								
	Ejection tube	—	—	—	—	—	2	2	2
	Safety stop	—	—	—	—	—	2	2	2
	Trip gear	—	—	—	—	—	2	2	2
	Rear cover catch, Mk. II	—	—	—	—	—	2	—	—

	Retaining, cartridge—								
	L.H. feed block, Mk. II (or Mk. I) (*o*) ...	—	—	—	—	—	2	2	2
	R.H. feed block, Mk. II (or Mk. I) (*o*) ...	—	—	—	—	—	2	2	2
	Steam valve	—	—	—	—	—	—	2	2
	Top pawl, feed blocks	—	—	—	—	—	2	2	2
	Trigger bar, long	—	—	—	—	—	2	2	2
	Trigger, lock	—	—	—	—	—	—	1	1
	Tumblers	—	—	—	—	—	—	1	1
	Valves, steam tube	—	—	—	—	—	—	2	2
	Machines, positioning cartridges, Vickers, ·5-in. M.G., Mk. I	—	—	—	—	—	1	1	1
	Pads, rear-crosspiece, M.G., No. 1—								
	Catches, spring, Mk. II (*p*)	—	1	1	—	—	—	—	—
	Protectors, muzzle, Vickers, ·5-in. M.G., Mk. I ...	—	—	—	—	—	1	1	1
	Pullthroughs, ·5-in., Mk. I—								
	"A"	—	—	—	—	—	1	1	1
	Gauze	—	—	—	—	—	3	3	3
	Reflectors, mirror, Vickers, ·5-in. M.G., Mk. I ...	—	—	—	—	—	1	1	1
	Shoulder-pieces, M.G.—								
	Catches, spring, Mk. I	—	2	2	2	2	2	2	2
	Tubings, condenser, steam, Vickers, ·303-in. M.G., Mk. II, "A", "B" or "C" (*q*)	—	2	2	—	—	—	—	—
	Section G1								
	Pins, keep, split—								
GA0799	$\frac{1}{16}$-in. × $\frac{1}{2}$-in.	2	2	2	2	2	2	2	2
GA0822	$\frac{3}{32}$-in. × 1$\frac{1}{2}$-in.	—	—	—	—	—	4	4	2
GA0823	$\frac{3}{32}$-in. × 2-in.	—	2	2	2	2	—	—	—
	Section G2								
	Steel, tool, rods, bright, No. 45 (*r*) ... ft.	—	—	—	—	—	2	2	2
	Section H1								
	Oil—								
	A (5) ... ... gal.	1	1	1	1	1	1	1	1
	Low cold test, No. 1 ... ... ,,	½	½	½	½	½	⅓	½	½

TABLE 1—*continued*

(*a*) Peace only.
(*b*) Also for trigger guard.
(*c*) 6 each unit in Egypt.
(*d*) For trigger guard and side lever bushes.
(*e*) For No. 2 layshaft lever.
(*f*) Or earlier patterns if suitable.
(*g*) Pattern dependent upon the pattern of extractor in guns.
(*h*) For Mk. II No. 1 extractors.
(*i*) For guns with L.H. feed block.
(*k*) For guns with side check.
(*l*) For trigger guard catch on Mk. IV guns.
(*m*) Pattern dependent upon the pattern of extractor in guns.
(*n*) Also for trigger guard axis bush.
(*o*) Patterns dependent upon the pattern of feed block in guns.
(*p*) Not required for guns with shoulder-piece or crank handle guard.
(*q*) Pattern to suit vehicle.
(*r*) For retaining pins.
(*s*) Peace allowance 5 gal. every 10 guns.

TABLE 2.—SPARES ETC., FOR GUNS, MACHINE, BESA 7·92-MM. AND 15-MM.

(*Referred to in para.* **473**)

Scale for ten machine guns

NOTE :—Stores carried in unit transport vehicles of A.F.V. units, in bulk.

Catalogue Number.	Designation.	Each 7·92-mm. Besa M.G.		Each 15-mm. Besa M.G.
		Mk. I.	Mk. II.	
	Section B1			
BA0053	**Bottles,** oil, Mk. IV (or Mk. V) ...	2	2	2
	Pullthroughs—			
BA0516	Double, Mk. I " B "	2	2	—
BA0521	Gauze	2	2	—
	Section B2			
BC3491	**Flannelette** ... ... yds.	20	20	20
	Section C2			
	Belts—			
	7·92-mm., 225-round, Mk. I (*a*)	60	60	—
BG4007	Links (*a*)	100	100	—
BG4008	Pins, link (*a*)	200	200	—
	15-mm., 25-round, Mk. I ...	—	—	60
BG4016	Links	—	—	100
BG4017	Pins, link	—	—	200
BG4021	**Boxes,** belt, Besa 15-mm. M.G., No. 1, Mk. I	—	—	60
BG4055	**Brushes,** chamber, Besa 15-mm. M.G., Mk. I	—	—	5
	Chests, Besa—			
BM4063	7·92-mm. M.G., Mk. I (*a*) ...	10	10	—
BM4068	15-mm. M.G., Mk. I (*a*) ...	—	—	10
BM4101	**Guns,** Machine, Besa—			
	7·92-mm., Mk. I—			
BG4104	Accelerators, Mk. I ...	1	—	—
BG4129	Guards, trigger, Mk. I ...	1	—	—
BM4103	7·92-mm., Mk. II—			
BG4086	Accelerators, Mk. II ...	—	1	—
BG4089	Distance-pieces, eliminator, flash	—	1	—
BG4091	Guards, trigger, Mk. II ...	—	1	—
	7·92-mm.—			
BG4106	Barrels, Mk. II, assembled	10	10	—
BG4108	Blocks, breech, assembled ...	1	1	—
	Detents, safety catch locking lever ($\frac{3}{16}$-in. ball) ...	10	10	—
BG4124	Extractors	2	2	—
BG4127	Grips, pistol	1	1	—
	Guides—			
BG4131	Belt	1	1	—
BG4133	Spring, return, Mk. II ...	2	2	—

TABLE 2—*continued*

Catalogue Number.	Designation.	Each 7·92-mm. Besa M.G.		Each 15-mm. Besa M.G.
		Mk. I.	Mk. II.	
	Section C2—continued			
	Guns, Machine, Besa—*continued*			
	7·92-mm.—*continued*			
BG4138	Levers, feed	1	—	—
BG4153	Pawls, retaining	3	—	—
	Pins—			
BG4144	Axis, trigger	5	5	—
	Catch—			
BG4154	Belt guide	2	2	—
BG4145	Cocking	2	2	—
BG4156	Safety	5	5	—
BG4147	Connector, trigger ...	2	2	—
BG4148	Firing	2	2	—
BG4150	Lever, feed pawl depressor	2	2	—
BG4151	Locking, cover	1	1	—
BG4153	Pawl, retaining	2	2	—
	Sear	2	2	—
	Split, cocking catch thumb-piece	10	10	—
BG4171	Regulators, gas	2	2	—
BG4172	Retainers, cover, locking pin	1	1	—
BG4191	Sears	2	2	—
BG4198	Slides, feed	2	2	—
	Springs—			
	Accelerator—			
BG4211	Inner	1	1	—
BG4212	Outer	1	1	—
	Catch—			
BG4214	Belt guide	1	1	—
BG4218	Cocking	1	1	—
BG4220	Safety	3	3	—
BG4221	Depressor, feed pawl ...	1	1	—
BG4222	Detent, safety catch locking lever	5	5	—
	Pawl—			
BG4225	Feed	2	2	—
BG4226	Retaining	2	2	—
BG4228	Pin, firing	2	2	—
BG4231	Plunger, carrying handle	1	1	—
BG4230	Recoil	3	3	—
BG4235	Retainer, cover locking pin	2	2	—
BG4256	Return	10	10	—
BG4240	Sear	5	5	—
BG4242	Sleeve, gas cylinder ...	1	1	—
BG4244	Stay, extractor	2	2	—
BG4246	Trigger	2	2	—
BG4248	Stays, extractor	2	2	—
	Washers, locking—			
BG4251	Flash eliminator	10	10	—
BG4252	Plug, pistol grip tube ...	10	10	—

TABLE 2—*continued*

Catalogue Number.	Designation.	Each 7·92-mm. Besa M.G.		Each 15-mm. Besa M.G.
		Mk. I.	Mk. II.	
	Section C2—continued			
	Guns, Machine, Besa—*continued*			
BG4501	15-mm., Mk. I—			
BG4505	Barrels, assembled	—	—	10
BG4508	Blocks, breech, assembled ...	—	—	1
BG4511	Brackets, guard, trigger ...	—	—	1
BG4540	Extractors	—	—	2
BG4543	Grips, pistol	—	—	1
BG4545	Guards, trigger	—	—	1
	Guides—			
BG4548	Belt	—	—	1
BG4551	Spring, return	—	—	2
BG4561	Levers, feed	—	—	1
BG4565	Pawls, retaining	—	—	1
	Pins—			
BG4571	Axis trigger	—	—	5
BG4575	Catch, cocking	—	—	2
BG4579	Firing	—	—	2
BG4574	Lever, feed pawl depressor	—	—	2
BG4583	Locking, cover	—	—	1
BG4585	Pawl, retaining	—	—	2
BG4587	Rod, return spring guide	—	—	1
	Sear	—	—	1
	Retainers—			
BG4606	Cover locking pin ...	—	—	1
BG4608	Pin, barrel extension ...	—	—	1
BG4615	Sears	—	—	2
BG4621	Slides, feed	—	—	2
	Springs—			
	Buffer—			
BG4630	Breech block ...	—	—	2
BG4631	Piston extension, inner	—	—	3
BG4632	Piston extension, outer	—	—	3
	Catch—			
BG4635	Barrel extension ...	—	—	2
BG4636	Belt guide	—	—	1
BG4637	Cartridge guide ...	—	—	1
BG4638	Cocking	—	—	1
BG4634	Piston extension ...	—	—	2
BG4639	Trigger guard ...	—	—	1
BG4641	Depressor, feed pawl ...	—	—	1
BG4640	Guide, return spring ...	—	—	3
	Pawl—			
BG4643	Feed	—	—	2
BG4644	Retaining	—	—	2
BG4646	Pin, firing	—	—	2
BG4648	Plunger, carrying handle	—	—	1
BG4651	Recoil	—	—	3
	Retainer—			
BG4653	Barrel, extension pin	—	—	2
BG4654	Cover, locking pin ...	—	—	2

TABLE 2—*continued*

Catalogue Numbers.	Designation.	Each 7·92-mm. Besa M.G. Mk. I.	Each 7·92-mm. Besa M.G. Mk. II.	Each 15-mm. Besa M.G.
	Section C2—continued			
	Guns, Machine, Besa—*continued*			
	15-mm., Mk. I—*continued*			
	Retainers—*continued*			
	Springs—*continued*			
BG4657	Return	—	—	10
BG5661	Sear	—	—	5
BG4663	Sleeve, gas cylinder ...	—	—	1
BG4665	Stay, extractor ...	—	—	2
BG4667	Trigger	—	—	2
GB4671	Stay, extractor ...	—	—	2
	Washers, locking—			
BG4678	Flash eliminator ...	—	—	10
BG4679	Nut, trigger guard bracket bolt ...	—	—	10
	Rods, cleaning, Besa 15-mm. M.G., Mk. I—			
	Brushes—			
BG4722	Bristle	—	—	5
BG4723	Wire	—	—	5
	Section H1			
	Oil " A " (*b*) ... ... gal.	½	½	½
	Section H1 (N.I.V.)			
	Grease, Graphited, (R.D.1179) (*c*) tins	10	10	10
	Oil, low cold test, No. 1 (C.W.D.726A) (*d*) ... pts.	5	5	5

(*a*) Peace only.
(*b*) Peace allowance 2½-gal. every 10 guns.
(*c*) " Filler tins " containing approximately 11 ozs. of grease (sufficient for each weapon for two years).
(*d*) Only where temperatures are likely to fall below 40° F.

TABLE 3.—SCALE FOR TEN MACHINE GUN MOUNTINGS

(*Referred to in para.* **473**)

Peace and War

NOTE :—Stores carried in transport vehicles of A.F.V. units, in bulk.

Catalogue number.	Designation.	Mountings M.G. No. 2 Mks. I and IA.	4 Mk. I.	5 Mks. IA, II and III.	6 Mks. I* and IA.	7 Mks. I and II.	8 Mk. I.	9 Mk. I.	10 Mk. I.
	Section LV4–MG								
	Counterweights, M.G., No. 1—								
	Plates, securing		4						
	Eliminators, flash, B.P., Mk. I							1	1
	Washers, locking							5	5
	Jackets, protecting, gun, No. 2, Mk. I—								
	Bolts	4							
	Jackets protecting, gun, No. 4, Mk. I—								
	Bolts		4						
	Screws—								
	Locating		4						
	Securing		4						
	Mountings, M.G., No. 2—								
	Chains, pin, securing gun	2							
	Pins—								
	Retaining, crosshead	2							
	Securing gun	2							
	Screws, arm, radial	2							
	Springs, clip, gun	4							

TABLE 3—*continued*

Catalogue number.	Designation.	Mountings M.G. No. 2 Mks. I and IA.	4 Mk. I.	5 Mks. and IA, II III.	6 Mks. I* and IA.	7 Mks. I and II.	8 Mk. I.	9 Mk. I.	10 Mk. I.
	Section LV4–MG—continued								
	Mountings, M.G., No. 4—								
	Pins, securing gun	—	4	—	—	—	—	—	—
	Sleeves, gun securing pin	—	4	—	—	—	—	—	—
	Mountings, M.G., No. 6—								
	Caps—								
	Holder, telescope, " A "	—	—	—	1	—	—	—	—
	Holder, telescope, " B "	—	—	—	2	—	—	—	—
	Pins, hinge, caps, holder, telescope " A " ...	—	—	—	2	—	—	—	—
	Screws, adjusting, traverse, holder, telescope, " B "	—	—	—	2	—	—	—	—
	Mountings, M.G., No. 7—								
	Caps, holder, telescope, Mk. I (*a*)	—	—	—	—	2	—	—	—
	Pins, hinge, cap, holder, telescope, " B " (*a*) ...	—	—	—	—	2	—	—	—
	Screws, clamping, arm, brow pad, " A " (*a*) ...	—	—	—	—	2	—	—	—
	Mountings, M.G., No. 9—								
	Chains, spanner, " C "	—	—	—	—	—	—	4	—
	Pins, hinge, brake shoe	—	—	—	—	—	—	2	—
	Plungers, mounting lock	—	—	—	—	—	—	2	—
	Quadrants, mounting lock	—	—	—	—	—	—	2	—
	Springs—								
	Brake	—	—	—	—	—	—	2	—
	Clamping strip	—	—	—	—	—	—	5	—

	Mountings, M.G., No. 10—								
	Chains, spanner, " E "	—	—	—	—	—	—	—	4
	Hooks, clamping strip	—	—	—	—	—	—	—	2
	Plungers, mounting lock	—	—	—	—	—	—	—	2
	Quadrants, mounting lock	—	—	—	—	—	—	—	2
	Springs, strip, clamping	—	—	—	—	—	—	—	10
	Mountings, M.G.—								
	Bolts—								
	Clamping, arm, brow pad	—	—	—	—	—	—	2	2
	Clamping, cap, holder, telescope, " B " ...	—	—	—	4	4	2	—	—
	Caps, holder, telescope, Mk. II	—	—	—	—	2 (*b*)	2	—	—
	Chains—								
	Spanner, " A "	—	—	4	—	4 (*c*)	—	—	—
	Spanner, " B "	—	—	—	4	4 (*b*)	4	—	—
	Pins—								
	Hinge, cap, holder, telescope, " C "	—	—	—	—	2 (*b*)	2	—	—
	Taper, $\frac{3}{16}$-in. × 1-in.	—	—	—	—	—	—	10	10
	Taper, $\frac{7}{64}$-in. × $\frac{3}{4}$-in.	—	—	—	—	—	—	10	10
	Screws—								
	Clamping, arm, brow pad, " B "	—	—	—	2	2 (*b*)	2	—	—
	Clamping, strip, No. 2	—	—	—	—	—	—	2	2
	Spring, ball, recoil pin (*d*)	—	—	—	—	—	2	4	2
	Springs—								
	Pin, recoil	—	—	2	2	2	—	—	—
	Mounting lock	—	—	—	—	—	—	2	2
	Shutter (*e*)	—	—	—	—	—	2	4	2
	Strip, clamping	—	—	5	5	5	5	—	—
	Section C3								
	Bicycles—								
	Balls, anti-friction, $\frac{1}{4}$-in. (*f*)	—	—	—	—	—	2	5	5

TABLE 3—*continued*

Catalogue number.	Designation.	Mountings M.G. No. 2 Mks. I and IA.	4 Mk. I.	5 Mks. IA, II and III.	6 Mks. I* and IA.	7 Mks. I and II.	8 Mk. I.	9 Mk. I.	10 Mk. I.
	Section G1								
	Washers, spring, single turn—								
	¼-in.	—	—	—	—	—	4	2	2
	$\frac{5}{16}$-in.	2	—	2 (*g*)	6	—	12	25	25
	$\frac{3}{8}$-in.	2	—	6 (*h*)	8	18	9	25	40
	½-in.	2	—	6 (*h*)	—	—	—	—	—
	$\frac{7}{16}$-in.	—	—	7	23	—	15	—	—
	$\frac{5}{8}$-in.	4	5	—	—	—	—	—	—
	Section V1								
	Cases, No. 24, sighting telescope—								
	No. 2, Mk. I (or No. 1, Mk. I)	—	—	—	1	1	1	—	—
	No. 3, Mk. I	—	—	—	—	—	—	1	1
	Telescope, sighting—								
	No. 24, Mk. II (or Mk. I)	—	—	—	1	1	1	—	—
	No. 24, Mk. III	—	—	—	—	—	—	1 (*i*)	1
	Section V1 (N.I.V.)								
	Protectors, object glass, Mk. II (*k*)	—	—	—	—	—	—	5	5

(*a*) For Mk. I Mtg.
(*b*) For No. 7, Mk. II Mtg.
(*c*) For No. 7, Mk. I Mtg.
(*d*) For plunger mounting lock on Nos. 9 and 10 Mtgs.
(*e*) Also for ball recoil pin.
(*f*) For recoil pin and mounting lock plunger.
(*g*) For No. 5, Mk. II Mtgs.
(*h*) For No. 5, Mks. IA and II Mtgs.
(*i*) No. 24, Mk. II may be carried as an alternative.
(*k*) Not for Mk. II, No. 24 sighting telescope.

TABLE 4.—SCALE FOR DISCHARGERS, SMOKE GENERATORS, 4-IN.

(*Referred to in para.* **473**)

Peace and War

NOTE.—Stores carried in transport vehicles of A.F.V. units, in bulk.

Catalogue Number.	Designation.	Percentage of dischargers in unit equipment. Dischargers, smoke generator, 4-in. No. 1, Mk. I.	No. 2, Mk. I.	No. 2, Mk. II.
	Section B1			
	Rifles, No. 1—			
HH0675	Cocking-pieces, "B"	—	10	10
HH0680	Extractors	—	25	25
	Screws—			
HH0734	Extractor	—	10	10
HH0743	Striker	—	25	25
HH0746	Sears	—	10	10
	Springs—			
HH0752	Extractor	—	25	25
HH0754	Main	—	10	10
HH0759	Sear	—	25	25
HH0769	Strikers	—	25	25
	Section C1			
HD0195	**Chain,** M.G. (*a*) 4-in. lengths ...	25	25	—
	Section C2			
	Dischargers, smoke generator, 4-in. No. 1, Mk. I—			
HG0102	Cables— No. 1	100 (*b*)	—	—
HG0103	No. 2	100 (*b*)	—	—
HG0104	No. 3	100 (*b*)	—	—
	Springs—			
HG0105	Main	25	—	—
HG0106	Trigger	25	—	—
HG0107	Strikers	25	—	—
HG0108	**Studs,** loading lever	10	—	—
	Dischargers, smoke generator, 4-in., No. 2, Mk. I—			
HG0111	Cables— No. 1	—	100 (*b*)	—
HG0112	No. 2	—	100 (*b*)	—
HG0113	No. 3	—	100 (*b*)	—
	Dischargers, smoke generator, 4-in.—			
HG0120	Collars, clamping, nut pawl	25	25	25
HG0121	Pawls, clamping nut ...	25	25	25
HG0122	Springs, clamping nut pawl	25	25	25

(*a*) Chains, safety pin. (*b*) As applicable to pattern of vehicle.

TABLE 5.—SPARE MACHINE GUNS

(*Referred to in para.* **473**)

Peace and War

NOTE.—Stores carried in unit transport vehicles of A.F.V. units, in bulk.

1. The following scale of spare machine guns, in chests. will be carried in unit transport to replace machine guns that have been damaged beyond repair.

Number of each type of M.G. on charge.	Number of spares to be carried.
15–40	1
41–70	2
71–100	3

2. The types of guns and chests referred to above are—

(*a*) **Guns,** machine, Vickers, ·303-in., Mk. I.
Chests, Vickers or Lewis ·303-in. M.G., Mk. IIIB (or IIIA).

(*b*) **Guns,** machine, Vickers, ·303-in., Mks. VI (or IVA or IVB) with R.H. or L.H. feed blocks in proportion to unit equipment.
Chests, Vickers ·303-in. M.G., Mk. V or IV (or Mk. II for Mks. IVA or IVB guns).

(*c*) **Guns,** machine, Vickers, ·303-in., Mks. VII (or VI*) with R.H. or L.H. feed blocks in proportion to unit equipment.
Chests, Vickers ·303-in. M.G., Mk. V (or Mk. IV* for Mk. VI* gun).

(*d*) **Guns,** machine, Vickers, ·5-in., Mk. II with R.H. or L.H. feed blocks in proportion to unit equipment.
Chests, Vickers ·5-in. M.G., Mk. I.

(*e*) **Guns,** machine, Vickers, ·5-in., Mk. V with R.H. or L.H. feed blocks in proportion to unit equipment.
Chests, Vickers ·5-in. M.G., Mk. II.

(*f*) **Guns,** machine, Besa 7·92 mm., Mk. I or Mk. II.
Chests, Besa 7·92 mm., M.G., Mk. I.

(*g*) **Guns,** machine, Besa 15 mm., Mk. I.
Chests, Besa 15 mm., M.G., Mk. I.

TABLE 6.—RIFLES AND APPURTENANCES FOR EACH TRANSPORT VEHICLE

(*Referred to in para.* **473**)

Peace and war

Not applicable to Royal Armoured Corps

NOTES.—1. Stores carried in unit transport vehicles of A.F.V. units, in bulk.

2. Available for use from the vehicle.

Catalogue Number.	Designation.	No.	Remarks.
	Section A1		
AA1657	**Slings,** rifle, web	2	
	Section B1		
BA0053	**Bottles,** oil, Mk. IV	2	
	Pullthroughs—		
BA0518	Single, Mk. IV, " B " ...	2	
BB0521	Gauze	2	
BA0576–7–8–9	**Rifles,** No. 1, Mk. III	2	

APPENDIX 20

(*Referred to in para.* **511**)

INSTRUCTIONS FOR THE CARE, PRESERVATION AND DISINFECTION OF FLUTES, PICCOLOS AND MUSICAL INSTRUMENTS

Flutes and Piccolos

The player in whose care the instrument is placed must observe the following instructions very carefully :—

1. The instrument, whilst warm or wet inside, must not be placed in the sun nor laid on cold stone or iron.

2. Oil the key springs once or twice a week with a refined lubricating oil.

3. After use wipe away the moisture from the joints and, when perfectly dry, oil the woodwork, including the joints and the bore, with pure raw linseed oil, and finally well rub the parts with a dry absorbent rag.

The bore may be cleaned and oiled with the aid of a cleaning rod, but the rag must not be forced through.

4. When not in use, the instrument must be oiled once or twice a week as described above.

Disinfection of Musical Instruments

1. In the case of bugles, trumpets, flutes and piccolos, it is sometimes necessary for the purposes of training, for the same instrument to be blown by more than one man or boy.

2. On hygienic grounds there are grave objections to this practice, unless the instrument is disinfected before being used by a different person.

3. On all occasions, therefore, before one of these instruments is used by another man or boy, disinfection will be carried out as follows :—

Bugle or trumpet. The instrument will be placed in a two per cent. solution of Izal for ten minutes ; it will then be thoroughly washed in clean water to remove all traces of the disinfectant and then dried as well as possible.

Flute or piccolo. The head of the instrument will be immersed in a two per cent. solution of Izal and thoroughly dried immediately. In addition, the bore of the instrument will be disinfected by the insertion of a mop dipped in the Izal solution. Mops specially designed for this purpose are obtainable from the trade.

4. Parts of bagpipes will be treated similarly where such a course is practicable.

Instructions for Lapping Drum Heads

1. The head should be steeped in water for 15 minutes, then folded and left for half an hour.

If left too long in water the head will waste away and become rotten.

2. All superfluous moisture should then be removed from the head, which should be lapped well round the flesh hoop so as to bring the edge of the head well round to the outer side of the hoop. Avoid lapping the head too tight, as it draws the hoop out of shape.

3. The head should then be fitted to the drum and left for two or more days, according to the weather, so that the vellum under the hoop may get thoroughly dry before being taken into use. If this point is not attended to, the head will most likely give way round the edges soon after the drum is " slung " up ; it is, therefore, advisable to take the head off, and if found to be the least damp round the edge, leave it to get quite dry before putting it on again.

4. The drying of the heads must not be hastened by artificial means, such as putting them by the fire or in the sun ; a cool, dry air is best.

APPENDIX 21

(*Referred to in para.* **503**)

TABLE 1.—MATERIAL FOR REPAIR OF BANDOLIER EQUIPMENT (PATTERN 1903), ETC.

Peace Only

Designation.	Annual supply for 133. Bandoliers. 50 rounds.	Bandoliers. 90 rounds.	Belts, waist, B.E. leather.	Carriers, greatcoat.	Covers, mess-tin, O.S.	Pockets cartridge, 15 rounds. Mk. II.	Straps, brown, greatcoat.	Carriers, water-bottle, O.S.	Haversacks, O.S.
Section A1									
Billets, brown, B.E.—									
1 1/2-in. × 1 1/2-in.	—	1	—	—	—	—	—	—	—
5 1/2-in. × 1 1/2-in.	1	—	—	—	—	—	—	—	—
3 1/8-in. × 1-in. ...	—	—	—	—	—	2	—	—	—
Buckles, brass—									
1 1/2-in.	5	5	—	—	—	—	—	—	—
Coatstrap ...	—	—	—	—	—	—	3	—	—
Carrier, water-bottle, O.S. ...	—	—	—	—	—	—	—	4	—
Waistbelt, 1 3/4-in.	—	—	3	—	—	—	—	—	—
Buttons, horn ...	—	—	—	—	10	—	—	—	—
Canvas, drab, 24-in. yards	—	—	—	—	1 1/2	—	—	—	—
Chapes, web, 2-in., with buckle	—	—	—	—	—	—	—	—	6
,, web, 1-in. with 1 buckle	—	—	—	—	—	—	—	—	4
Clips, brass ...	—	—	—	8	—	—	—	—	—
Eyelets ... oz.	—	—	—	—	—	—	—	—	1/4
Hooks, brass—									
Long bar ...	—	—	—	8	—	—	—	—	—
Short bar ...	—	—	—	4	—	—	—	—	—
Loops, brass—									
1 1/16-in.	—	—	—	—	—	3	—	—	—
1-in.	—	—	—	2	—	—	—	—	—
7/8-in.	—	—	—	—	—	—	—	2	—
Loops, leather, brown—									
3/4-in. × 4 1/2-in. ...	5	5	—	—	—	—	—	—	—
3/4-in. × 5 1/2-in. ...	—	—	5	—	—	—	—	—	—
1 1/8-in. × 3 3/4-in. ...	—	—	—	—	4	—	—	—	—

TABLE 1—*continued*

Designation.	Annual supply for 133. Bandoliers. 50 rounds.	Bandoliers. 90 rounds.	Belts, waist, B.E. leather.	Carriers, greatcoat.	Covers, mess-tin, O.S.	Pockets, cartridge, 15 rounds. Mk. II.	Straps, brown, greatcoat.	Carriers, water-bottle, O.S.	Haversacks, O.S.
Section A1—continued									
Loops, leather, buff—									
1 1/8-in. × 3 3/4-in. ...	—	—	—	—	4(*a*)	—	—	—	—
Rings, brass—									
Carrier, water-bottle ...	—	—	—	—	—	—	—	3	—
Cover, mess-tin, O.S.	—	—	—	—	3	—	—	—	—
Rivets, copper, tinned—									
3/8-in. × 11 S.W.G.	6	6	—	—	—	6	—	10	—
Slides, brass—									
1-in.	—	—	—	2	—	—	—	—	—
2-in.	—	—	—	4	—	—	—	—	—
Straps, brown—									
Guard	6	10	—	—	—	—	—	—	—
Steadying ...	4	—	—	—	—	—	—	—	—
Studs, brass—									
Bandolier ...	10	10	—	—	—	4	—	—	—
Steadying strap, bandolier ...	4	—	—	—	—	—	—	—	—
Tabs, web—									
1-in. × 6 3/4-in. ...	—	—	—	—	—	—	—	—	6
Tips, 1-in. ...	—	—	—	—	—	—	—	—	3
Triangles	4	4	—	—	—	—	—	—	—
Web, cotton, drab—									
1-in. ... yards	—	—	—	2	1/2	—	—	—	—
2-in. ... ,,	—	—	—	20	—	—	—	—	—
13-in. × 2-in. pieces	—	—	—	—	—	—	—	6	—
Section H2									
Thread, linen, machine—									
No. 18, drab oz.	—	—	—	—	—	—	—	—	1/2
No. 35, drab ,,	—	—	—	1/2	1	—	—	—	—

(*a*) For covers fitted with buff loops.

TABLE 2.—MATERIALS FOR THE REPAIR OF WATER-BOTTLES

(*Referred to in para.* **503**)

Peace Only.

Designation.	Proportion.
Section A1	
Covers, water-bottle, Mk. VI	As necessary.
Stoppers, cork, Mk. VI water-bottle	
Cords	

TABLE 3.—MATERIAL FOR REPAIR OF WEB EQUIPMENT, PATT. 1908

(*See* **Table 4 for Web Equipment Pattern, 1937**)

(*Referred to in para.* **503**)

Designation.	Attachments, brace.	Belts, waist, W.E.	Belts, waist, W.E. special.	Braces, with buckle.	Carriers, cartridge.	Carriers, water-bottle.	Frogs, web, bayonet.	Haversacks, W.E.	Packs.	Straps, web, supporting.	Slings, rifle, web.
Section A1											
Billets, W.E.—											
½-in. × 6-in.	—	—	—	—	(*a*)	—	—	—	—	—	—
Buckles, brass—											
1-in.	—	—	—	—	—	—	—	(*a*)	(*a*)	(*a*)	—
2-in.	—	(*a*)	(*a*)	(*a*)	(*a*)	(*a*)	—	(*a*)	—	—	—
3-in.	—	(*a*)	(*a*)	—	—	—	—	—	—	—	—
Catches, web slings ...	—	—	—	—	—	—	—	—	—	—	(*a*)
Chapes, web—											
1-in. with 1 buckle	—	—	(*a*)	—	—	—	—	—	(*a*)	—	—
,, with 2 buckles	—	—	—	—	—	—	—	(*a*)	—	—	—
2-in. with buckle ...	—	—	(*a*)	—	—	—	—	—	—	—	—
Eyelets (*a*)	—	—	—	—	—	—	—	—	—	—	—
Fasteners, snap—											
Base	—	—	—	—	(*a*)	(*a*)	—	—	—	—	—
Crown, bottom ...	—	—	—	—	(*a*)	(*a*)	—	—	—	—	—
,, top	—	—	—	—	(*a*)	(*a*)	—	—	—	—	—
Washers	—	—	—	—	(*a*)	(*a*)	—	—	—	—	—

TABLE 3—*continued*

Designation.	Attachment, brace.	Belts, waist, W.E.	Belts, waist, W.E. special.	Braces, with buckle.	Carriers, cartridge.	Carriers, water-bottle.	Frogs, web, bayonet.	Haversacks, W.E.	Packs.	Straps, web, supporting.	Slings, rifle, web.
Section A1—continued											
Flaps, with base of fastener and chape with brass loop ...	—	—	—	—	(*a*)	—	—	—	—	—	—
Flaps, with crown of fastener	—	—	—	—	(*a*)	—	—	—	—	—	—
Hooks, brass, double	—	—	—	—	(*a*)	—	—	—	—	—	—
,, brass, with tip	—	(*a*)	(*a*)	—	—	—	—	—	—	—	—
Rivets, brass (*a*) ...	—	—	—	—	—	—	—	—	—	—	—
,, brass, washers (*a*)	—	—	—	—	—	—	—	—	—	—	—
Rivets, copper tinned, ⅜-in. × 11 S.W.G. oz.	—	—	—	—	—	—	—	—	—	—	(*a*)
Rivets, copper tinned, washers, No. 11 S.W.G. ... oz.	—	—	—	—	—	—	—	—	—	—	(*a*)
Slides, brass, 3-in. ...	—	(*a*)	(*a*)	—	—	—	—	—	—	—	—
Tabs, web—											
1-in. × 6¾-in. ...	—	—	—	—	—	—	(*a*)	(*a*)	—	—	—
1-in. × 10¾-in. ...	—	—	—	—	—	—	—	—	(*a*)	—	—
1-in. × 15-in. ...	(*a*)	—	—	—	(*a*)	—	—	—	—	—	—
2-in. × 7½-in. ...	—	—	—	—	—	—	—	(*a*)	(*a*)	—	—
2-in. × 8½-in. with buckle	—	(*a*)	—	—	—	—	—	—	—	—	—
2-in. × 12¾-in. with buckle	—	—	—	—	(*a*)	—	—	—	—	—	—
Tabs, cartridge, carrier	—	—	—	—	(*a*)	—	—	—	—	—	—
Tips—											
½-in.	—	—	—	—	(*a*)	—	—	—	—	—	—
1-in.	(*a*)	—	—	—	(*a*)	(*a*)	—	(*a*)	(*a*)	(*a*)	—
2-in.	—	(*a*)	—	(*a*)	(*a*)	—	—	(*a*)	(*a*)	—	—
3-in.	—	(*a*)	—	—	—	—	—	—	—	—	—
Web, drab—											
1-in. thick ... yards	—	—	—	—	—	(*a*)	(*a*)	—	(*a*)	—	—
1½-in. ,, ... ,,	—	—	—	—	—	—	(*a*)	—	—	—	—
1½-in. ,, ... ,,	—	—	—	—	—	—	(*a*)	—	—	—	—
2-in. ,, ... ,,	—	—	—	—	—	(*a*)	—	—	—	—	—
Section H2											
Thread, linen, machine											
No. 18, drab (*a*) ...	—	—	—	—	—	—	—	—	—	—	—
No. 25, drab (*a*) ...	—	—	—	—	—	—	—	—	—	—	—

(*a*) As necessary.

TABLE 4.—MATERIAL FOR REPAIR OF WEB EQUIPMENT, PATTERN 1937

(*Referred to in para.* **503**)

Cat. No.	Designation.	Attachments, brace.	Belts, waist.	Braces.	Carriers, cartridge.	Carriers, waterbottle.	Cases, binocular.	Cases, pistol.	Frogs, bayonet.	Haversacks.	Pockets, compass.	Pouches, ammunition pistol.	Pouches, basic.	Straps, shoulder, haversack. L.	Straps, shoulder, haversack. R.
	Section A1														
A.A.	**Buckles**—														
	Brass—														
0371	¾-in.	—	—	—	—	—	—	—	—	(*a*)	—	—	—	—	—
0372	1-in. w/loop ...	(*a*)	—	—	(*a*)	—	—	—	—	—	—	—	(*a*)	—	—
0415	waistbelt 1-in. ...	—	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—
0419	2¼-in. Female ...	—	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—
0418	2½-in. Male ...	—	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—
	Hooks, brass—														
1105	With tip	—	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—
1106	2½-in.	—	—	—	(*a*)	—	(*a*)	(*a*)	—	—	(*a*)	(*a*)	(*a*)	—	—
N.I.V.	**Hooks for straps, shoulder**—														
	Haversack—														
5265	Left	—	—	—	—	—	—	—	—	—	—	—	—	(*a*)	—
5266	Right... ...	—	—	—	—	—	—	—	—	—	—	—	—	—	(*a*)
5268	**Gate,** slide	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—	—
	Loops, brass, 1-in.—														
5269	Oval	—	—	—	(*a*)	—	—	—	—	—	—	—	—	—	—
5267	Square	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—	—
1629	**Slides,** brass, 2¼-in. ...	—	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—
	Tabs, web—														
1826	¾-in. × 3-in. ...	—	—	—	—	—	—	—	—	—	—	—	(*a*)	—	—
1827	¾-in. × 9-in. ...	—	—	—	—	—	—	—	—	(*a*)	—	—	—	—	—
1879	**Tips,** ¾-in.	—	—	—	—	—	—	—	—	(*a*)	—	—	—	—	—
	Section H2														
H.B.	**Thread,** linen, machine														
1030	No. 18, drab (*a*) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1033	No. 25, drab (*a*) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(*a*) As necessary.

The undermentioned items required for repair of Patt. '08 Equipment are also applicable to the repair of Pattern 1937 Equipment.

Cat. No.	Designation.	Attachments, brace.	Braces.	Carriers, cartridge.	Carriers, water-bottle, haversack.	Frogs, bayonet.	Haversack.	Haversack.	Straps, shoulder, haversack.	All tips.	All carriers and cases, pouches, basic and utility.
	Section A1										
A.A.	**Buckles,** brass—										
0374	1-in.	—	—	—	(*a*)	—	—	—	—	—	—
0376	2-in.	—	—	—	—	—	—	—	(*a*)	—	—
0717	**Chapes,** web, 1-in., with 1 buckle ...	—	—	—	—	—	(*a*)	—	—	—	—
0900	**Eyelets**	—	—	—	—	—	—	—	—	(*a*)	—
	Fasteners, snap—										
0905	Base	—	—	—	—	—	—	—	—	—	(*a*)
0906	Crown, bottom ...	—	—	—	—	—	—	—	—	—	(*a*)
0907	,, top ...	—	—	—	—	—	—	—	—	—	(*a*)
0908	Washers	—	—	—	—	—	—	—	—	—	(*a*)
0923	**Flaps,** with crown of fastener	—	—	(*a*)	—	—	—	—	—	—	—
1823	**Tabs,** web, 2-in. × 7½-in.	—	—	—	—	—	—	(*a*)	—	—	—
	Tips—										
1881	1-in.	—	(*a*)	—	—	—	—	—	—	—	—
1882	2-in.	—	—	—	—	—	(*a*)	—	(*a*)	—	—
	Web, drab—										
1953	1-in. thick ...	(*a*)	—	—	(*a*)	—	—	—	(*a*)	—	—
1955	1¼-in. thick ...	—	—	—	—	(*a*)	—	—	—	—	—
1956	1½-in. thick ...	—	—	—	—	(*a*)	—	—	—	—	—

(*a*) As necessary.

TABLE 5.—COMPOSITION FOR THE PRESERVATION OF BROWN LEATHER ACCOUTREMENTS

(*Referred to in para.* **502**)

Designation.	12 months supply for 133.	
	lb.	oz.
Section A1		
Aprons, leg, brown	11	10
Bandoliers—		
90 rounds	8	4
50 rounds	4	8
Hotchkiss	7	8
Belts, shoulder, sword, Sam Browne	3	12
,, waist, B.E., leather	1	8
,, waist, brown, M.S.	7	8
,, waist, sword, Sam Browne, Mk. II	7	8
Carriages, drum, side, brown	4	8
Carriers, water-bottle, O.S.	1	8
Cases, pistol { Sam Browne	3	12
Cases, pistol { Webley	3	0
Frogs, brown, bayonet	1	8
Frogs, cutter, wire folding, Mk. I—		
Straps	0	12
Pockets, cartridge, 15 rounds, Mk. II	0	12
Pouches, ammunition, pistol—		
Sam Browne	3	12
Webley	2	10
Slings, rifle, Patt. '14	2	4
Straps, brown—		
Greatcoat	0	12
Mess-tin, M.S.	1	8

TABLE 6.—TOOLS FOR THE REPAIR OF WEB EQUIPMENT

(*Referred to in para.* **497**)

Designation.	Establishment of unit.	
	665 and under.	666 and over.
Section F		
Awls—		
Blades, garnishing	2	4
Handles, brad, small (*a*)	1	2
Hammers, carpenters, Warrington pattern, 8-oz.	1	2
Knives, trimming	1	2
Mallets, boxwood	1	1
Needles, sewing, hand—		
No. 1 (*b*) packets	1	1
No. 2 (*b*) ,,	1	1
Nippers, end-cutting, 9-in.	1	1
Pliers, eyelet, Mk. II (*c*) pr.	1	1
Punches, round, $\frac{1}{8}$-in.	1	1
Scissors, 8-in. pr.	1	1
Sets, riveting, No. 10	1	1
Clothing Vocabulary of Stores.		
Tapes, measuring	1	1

(*a*) Awls, handles, drawing, will be issued in lieu until stock is exhausted.
(*b*) To be provided locally.
(*c*) Already allowed to infantry battalions under Equipment Regulations, Part 2, Section 1.

TABLE 7.—INSTRUCTIONS FOR REPAIR OF WEB EQUIPMENT, PATTERN 1908

(*See* **Table 8 for Web Equipment Pattern, 1937.**)

(*Referred to in para.* **504**)

1. Articles of web equipment usually become unserviceable through friction. Where the webbing has become frayed in or about the centre of any part it can be darned neatly, but where the edges are frayed a new part should be fitted.

2. When new fasteners, eyelets and rivets are fitted, the webbing should not be cut (punched), but parted with an awl.

3. Attachments, Brace.—The 15-in. by 1-in. strap is the part that usually requires repair; it wears out quickly where it connects with the buckles of the waistbelt and supporting straps, and should be replaced when necessary.

4. Belts, Waist.—These are supplied in three sizes—large 56-in., medium 50-in., small 44-in., overall. When fitting new tabs with buckles (or with belts, waist, special-chapes and buckles), care should be taken to fit them in the correct position and at the proper angle, otherwise the position of the braces will be affected. To ensure that the correct position is obtained the belts should be lightly marked with chalk at either side of the old tab or chape before it is removed. This also applies when fitting new back tabs to haversacks and packs and to back chapes and buckles of haversacks, O.S.

5. Braces and Straps, Supporting.—These usually become badly frayed on the edges and at the parts where fixed to the buckles, and very little can be done where the edges are frayed. Practically the only repairs carried out are the replacement of tips. After these are fitted they should be tried through a buckle, and if found too wide the sides should be tapped until they fit.

6. Carriers, Cartridge.—These usually require a large percentage of fasteners and flaps. When new flaps are fitted sufficient length should be allowed for shrinkage. It is usual to allow $\frac{1}{2}$ in. to $\frac{3}{4}$ in., and, as a guide, the crown part of fastener should come about $\frac{3}{4}$ in. below the base part when the pockets are filled with ammunition. (*See* para. **2** above for fitting fasteners.)

7. Carriers, Water-Bottle.—These, as in the case of braces, become frayed at the edges, and very little in the way of repairs can be done. If new parts are fitted the top band should be made slightly full to allow for shrinkage.

8. Frogs.—The loops on the front wear out quickly at the part where the nipple of the scabbard rests. When fitting new

loops the top loop should be slightly larger than the bottom loop so as to allow the nipple of the scabbard to pass under.

9. Haversacks.—The back of the haversack wears out more quickly than the other parts owing to friction with the scabbard. As soon as small holes are noticed they should be neatly darned, as when once the yarn is worn away the small holes quickly become larger. The same remarks apply to haversacks, O.S., through friction against the man's clothing. (*See* para. **4** above for fitting new tabs, chapes and buckles.)

10. Loops, Dirk.—New parts should be fitted when the edges become frayed.

11. Packs.—The back of the pack usually becomes worn through contact with the back belt buckles. The worn places should be neatly darned. (*See* para. **4** above for fitting back tabs.)

The thread used for the various parts is as stated below :—

Attachments, Brace.—No. 18, 3-cord, linen.

Belts.—No. 18, 3-cord, linen.

Carriers, Cartridge.—No. 18, 3-cord, linen (excepting the flaps, which should be sewn with No. 25).

Carriers, Water-Bottle.—No. 25, 3-cord, linen (excepting the buckle parts, which are sewn with No. 18).

Frogs.—No. 18, 3-cord, linen.

Haversacks.—The gusset, back tabs, and the large buckle parts, No. 18. All other parts No. 25.

Loops, Dirk.—No. 18, 3-cord, linen.

Packs.—No. 25, 3-cord, linen (excepting the sides and back tabs, which are to be sewn with No. 18).

Straps, Supporting.—No. 18, 3-cord, linen.

TABLE 8.—INSTRUCTIONS FOR REPAIR OF WEB EQUIPMENT, PATTERN 1937

(*Referred to in para.* **504**)

1. Articles of web equipment usually become unserviceable through friction. Where the webbing has become frayed in or about the centre of any part, it can be neatly darned, but, where the edges are frayed, a new part should be fitted.

2. When new fasteners and eyelets are fitted, the webbing should not be cut (punched), but parted with an awl.

3. Belts, Waist.—These are supplied in two sizes—large 50-in., small 44-in., overall. In fitting new chapes and buckles, care should be taken to fit them in the correct position and at the proper angle ; otherwise the position of the braces will be affected. To ensure that the correct position is obtained,

the belts should be lightly marked with chalk at either side of the chape before it is removed. This also applies in fitting new back tabs to haversacks and packs.

4. Braces.—These usually become badly frayed on the edges and very little can be done where the edges are frayed. Practically the only repairs carried out are the replacement of tips. After these are fitted, they should be tried through a buckle, and, if found too wide, the sides should be tapped until they fit.

5. Carriers, Cartridge.—These usually require a small percentage of fasteners and flaps. When new flaps are fitted, sufficient length should be allowed for shrinkage. It is usual to allow $\frac{1}{4}$-in., and, as a guide, the crown part of fastener should come about $\frac{1}{4}$-in. below the base part when the pockets are filled with ammunition. (*See* para. **2** above for fitting fasteners.)

6. Carriers, Water-Bottle.—These, as in the case of braces, become frayed at the edges, and very little in the way of repairs can be done. If new parts are fitted, the top band should be made slightly full to allow for shrinkage.

7. Frogs.—The loops on the front wear out quickly at the part where the nipple of the scabbard rests. In fitting new loops, the top loop should be slightly larger than the bottom loop so as to allow the nipple of the scabbard to pass under.

8. Haversacks.—The back of the haversack wears out more quickly than the other parts owing to friction. As soon as small holes are noticed, they should be neatly darned, as, when once the yarn is worn away, the small holes quickly become larger. (*See* para. **3** above for fitting new tabs, chapes and buckles.)

9. Pouches, Basic.—These usually require new tabs with crown of fastener.

10. Thread.—The thread used for the various parts is as stated below :—

Belts.—No. 18, 3-cord, linen.

Carriers, Cartridge.—No. 18, 3-cord, linen (excepting the flaps, which should be sewn with No. 25).

Carriers, Water-Bottle.—No. 25, 3-cord, linen (except the buckle parts, which are sewn with No. 18).

Frogs.—No. 18, 3-cord, linen.

Haversacks.—The gusset, back tabs, and the buckle parts, No. 18. All other parts, No. 25.

Pouches, Basic.—The gussets, chape and hooks, No. 18, 3-cord, linen (except the lid, which should be sewn with No. 25).

APPENDIX 22

(Referred to in paras. **297, 307** *and* **512)**

MATERIAL FOR REPAIR OF HARNESS AND SADDLERY

NOTE.—In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example :—

20 sets = 40 ÷ 2, not 4 × 5.
49 ,, = 40 + 8, ,, 10 × 5.

A variation of two sets may be disregarded.

TABLE 1.—MATERIAL FOR REPAIR OF HARNESS AND SADDLERY

Peace only

NOTE.—Additional issues will be made to regiments of Household Cavalry as detailed in E.R., Part 2, Section 2.

Designation.	12 Months Supply.									Remarks.
	Saddlery, officers, 5 sets.	Harness. Single sets.*				Saddlery, Universal sets.*				
		6	10	33	53	8	20	53	133	
Section D1		**Articles common to all Patterns.**								* Suspended, except for Household Cavalry.
Attachments, V-girth { near	—	—	1	2	3	1	1	3	8	
off	—	—	1	2	3	1	1	3	8	
chapes	—	—	—	—	—	—	—	—	—	As necessary.
Buckles { brass { double, ⅜-in.	—	—	—	—	—	1	2	4	8	For reins.
inlet, ⅜-in.	—	—	1	2	4	—	2	4	8	For numnah pannels.
roller { double, ¾-in.	1	1	2	3	5	1	2	5	10	
,, 1-in.	—	1	1	1	2	1	2	4	6	
single { 1⅛-in.	—	—	1	1	2	—	1	2	4	For V-girth attachment.
¾-in.	1	1	1	2	3	1	2	3	6	
iron { roller, single, black—japanned, 1⅜-in. with throat loop { near	—	1	1	5	8	1	3	8	16	For stable head collars, Mk. II.
off	—	1	1	5	8	1	3	8	16	
roller { double { 1¼-in. curved ...	—	1	1	2	3	1	2	5	12	For stirrup leathers.
1½-in.	—	—	—	2	4	1	2	4	8	For surcingles, S.U.
⅞-in.	—	1	1	2	4	—	—	—	—	For reins, bearing.
Buckles, nickel, single, 1-in., barred ...	—	—	1	1	2	—	1	2	4	For girths.
Chains, curb, S.U.	1	1	1	4	6	1	2	7	15	Not for Household Cavalry.
Flaps, saddle, S.U. ... ... pr.	—	—	1	2	3	1	2	4	8	
										Scale for Household Cavalry.
Hides, brown { backs { bridle ... lb.	4	—	—	—	—	—	4	8	16	Nil.
backs { collar ... ,,	6	6	6	12	29	6	8	18	48	30
backs { heavy ... ,,	—	8	16	32	48	—	—	—	8	8
cloak ... ... ,,	—	—	—	2	2½	—	—	—	—	2
light	—	—	—	2¾	3¾	—	—	—	—	
Hooks, curb, S.U.	1	1	1	5	8	1	2	9	20	Not for Household Cavalry.
Links, brass, 1½-in. × ½-in.	—	—	—	—	—	1	1	2	5	For numnah pannel caps.
Plates, V-attachment	—	1	1	3	4	1	2	4	10	
Rivets { copper, tinned, (with washers) { ¾-in., No. 6 S.W.G. ...	—	4	4	10	15	—	—	—	—	For breast collars.
⅝-in., No. 9 ,, ...	—	—	—	—	—	2	3	6	15	For cases, horseshoe, with sword frog.
⅝-in., No. 6 ,, ...	—	3	3	9	12	3	6	12	30	For V-girth attachments.
½-in., No. 6 ,, ...	—	3	4	14	20	3	8	20	50	For stable head collars.
Seats, saddle, S.U.	—	—	1	2	3	1	2	4	8	
Squares { brass, 1¼-in.	—	—	1	1	4	1	1	2	4	For head collars, Mk. IV (S.U.).
iron, barred, black-japanned ...	—	—	1	1	1	—	1	1	2	For stable head collars.
1¼-in. × 1¾-in. black-japanned ...	—	—	1	1	2	—	1	2	3	

TABLE 1—*continued*

Designation.	12 Months Supply. Saddlery, officers, 5 sets.	Harness, Single sets.* 6	10	33	53	Saddlery, Universal sets.* 8	20	53	133	Remarks.
Section D1—continued		**Articles common to all Patterns—*continued***								* Suspended except for Household Cavalry.
Straps girth, V-attachment	—	2	4	12	18	3	7	18	45	
Straps releasable	—	2	2	8	12	—	—	—	—	
Section G1										
Nails, steel, clout, fine, ¾-in. ... oz.	—	1	2	3	6	—	—	—	—	
Screws, iron flathead ¾-in. gauge, No. 10 ...	—	2	2	3	5	2	2	5	12	
Screws, iron flathead ⅝-in. gauge, No. 8	—	3	4	12	20	3	8	20	50	
Tacks, steel, cut, No. 197 ... ... oz.	—	3	4	9	20	3	8	20	48	To be provided locally.
Section G2										
Wire, copper, No. 7, S.W.G. (hard) oz.	—	—	1	2	4	—	2	4	8	
Zinc, alloy ... ... ,,	—	1	1	3	5	1	2	5	12	
Section H1										
Beeswax ... ... oz.	2	1	1	2	4	1	2	4	8	
Borax ... ... ,,	—	1	1	3	5	1	2	5	12	To be provided locally.
Glue, ordinary ... ... ,,	—	2	2	4	8	2	4	8	16	
Paint, P.F.U.—black lamp (*a*) ... ,,	—	2	2	4	8	2	4	8	16	
Wax, black ... ... lb.	⅛	¼	⅜	1¼	2	¼	⅝	1⅝	4	
Section H2										
Canvas, sail, No. 3 ... ... in.	—	3	3	6	10	3	3	10	25	For nosebags.
Cord cotton ... ... yds.	—	1	2	6	10	—	—	—	—	
Cord whip ... ... lb.	—	½	¾	2	3½	—	—	—	—	
Felt, brown, 60-in. ... ... in.	—	5	5	10	15	5	5	12	28	

Flock ... ... lb.	2½	½	1	3	5	—	—	—	—	For pannels, officers, and for easing pads for neck and breast collars.
Thread, flax, undyed ... ... balls	1	2	3	10	16	1	3	8	20	
Twine quilting ... ... oz.	2	(*b*)	(*b*)	(*b*)	(*b*)	(*b*)	(*b*)	(*b*)	(*b*)	
Twine sail ... ... ,,	—	1	1	2	4	1	2	4	8	For head ropes, parade and stable.
Web, hemp 3-in. ... ... yds.	1	2	3	8	13	2	5	13	32	Straining web for saddles, S.U.
Web, hemp 2-in. thick ... ... ,,	—	¼	¼	1¼	2	¼	¾	2	4¾	For horse brushes.
Worsted, yarn, grey ... ... oz.	—	2	2	4	7	2	3	7	16	
Not in Vocabulary. Old Stores										
Blankets, saddle, cutting ... ... lb.	—	⅓	¾	2	3½	½	1½	3½	8	
Linen or cotton, old (for cleaning) ,,	—	2½	4	12½	20	1½	3½	10	25	
Linen old (for nosebags) ... ... ,,	—	½	½	1¼	2	½	1⅛	2	5	
Section D1		**Articles special to Saddlery, Officers.**								
Basils, brown, strained	1	—	—	—	—	—	—	—	—	
Buckles brass, roller, double 1¼-in.	1	—	—	—	—	—	—	—	—	For head collars and surcingles.
Buckles brass, roller, double ⅞-in. (*c*)	1	—	—	—	—	—	—	—	—	For reins.
Buckles brass, roller, double ⅝-in.	1	—	—	—	—	—	—	—	—	For shoe cases.
Buckles nickel, barred, 1⅜-in.	1	—	—	—	—	—	—	—	—	For stirrup leathers.
Buckles ,, roller, single, 1-in., barred (*d*)	2	—	—	—	—	—	—	—	—	For girths.
Flaps, saddle, S.O. ... ... pr.	1	—	—	—	—	—	—	—	—	Mk. IV or V, according to pattern of saddle in possession.
Rings, brass 1¼-in.	1	—	—	—	—	—	—	—	—	For head collars.
Rings, brass 1⅛-in.	1	—	—	—	—	—	—	—	—	,, ,,
Skins, lamb, black	1	—	—	—	—	—	—	—	—	
Squares, brass, 1⅛-in.	1	—	—	—	—	—	—	—	—	For head collars.
Section H2										
Thread, flax, yellow ... ... oz.	2	—	—	—	—	—	—	—	—	

(*a*) Ink, marking, black, woollens, to be issued until stock is exhausted (1 pint=1 lb.).
(*b*) ½-oz. for every pair stuffed pannels in use.
(*c*) To be replaced by Buckles, brass, double, ⅞-in., when stock is exhausted.
(*d*) To be replaced by Buckles, nickel, single, 1-in., barred, when stock is exhausted.

TABLE 1—*continued*

Designation.	12 Months Supply. Saddlery, officers, 5 sets.	Harness. Single sets.* 6	10	33	53	Saddlery, Universal sets.* 8	20	53	133	Remarks.
Section D1										
Buckles, iron, roller, single: 1¾-in., bow leg ...	—	—	1	1	2	—	—	—	—	* Suspended except for Household Cavalry.
1¼-in.	—	—	1	1	2	—	—	—	—	For 1¾-in. backbands and tugs.
Flaps, saddle, luggage ... ... pr.	—	—	1	2	3	—	—	—	—	
Seats, saddle, luggage	—	—	—	1	2	—	—	—	—	
Articles special to Harness, Shaft Draught										
Section D1										
Attachments, releasable: neck piece ...	—	—	—	1	2	—	—	—	—	
adjustable trace	—	—	—	1	1	—	—	—	—	
wire trace ...	—	—	—	2	3	—	—	—	—	
Buckles, brass, bent heel: 1¾-in. ...	—	—	1	1	2	—	—	—	—	For breechings.
1½-in. ...	—	—	1	1	2	—	—	—	—	For neckpieces.
1¼-in. ...	—	—	1	1	2	—	—	—	—	For breechings, breast collars, etc.
iron, single, 1-in.	—	—	1	2	3	—	—	—	—	For long reins.
Dees, steel, 2-in. × 2-in.	—	—	—	2	4	—	—	—	—	Breast collar.
Hooks, trace, wire, short	—	—	—	1	2	—	—	—	—	For units equipped with short wire traces.
Links, double: 2⅜-in.	—	—	—	1	2	—	—	—	—	Tugs, neckpiece.
2⅜-in. × ½-in.	—	—	—	1	1	—	—	—	—	Tugs, breast collar.
,, trace, wire, short	—	—	—	1	2	—	—	—	—	For units equipped with short wire traces.
Pipes, wire trace, strips: 14½-in.	—	(*a*)	(*a*)	(*a*)	(*a*)	—	—	—	—	For traces, wire, long and adjustable.
27½-in.	—	(*b*)	(*b*)	(*b*)	(*b*)	—	—	—	—	For traces, wire: adjustable.
30-in.	—	(*c*)	(*c*)	(*c*)	(*c*)	—	—	—	—	short.
37½-in.	—	(*d*)	(*d*)	(*d*)	(*d*)	—	—	—	—	long.
64-in.	—	(*e*)	(*e*)	(*e*)	(*e*)	—	—	—	—	wheel.
Rings, steel, 1¼-in., with chain	—	—	—	1	1	—	—	—	—	Tugs, breast collar.
,, 2½-in., with cranked link ...	—	—	—	1	2	—	—	—	—	Breast collar.
Rivets, copper, tinned: ⅞-in., No. 6, S.W.G. ...	—	2	4	12	20	—	—	—	—	Breast collar and hip straps.
¾-in., No. 6 ,, ...	—	2	4	12	20	—	—	—	—	Breast collar.
⅝-in., No. 12 ,, ...	—	5	8	25	40	—	—	—	—	For wire traces.
Squares, iron, 1¼-in.	—	—	1	2	4	—	—	—	—	Trace bearers.
Swivels, with shackle, wire trace	—	—	—	2	3	—	—	—	—	
Thimbles, iron, galvanized	—	2	2	4	8	—	—	—	—	For breast collar grummet tugs and wire traces.
Washers, copper, tinned: No. 6, S.W.G. ...	—	4	8	24	40	—	—	—	—	
No. 12 ,, ...	—	5	8	25	40	—	—	—	—	
Section E3										
Rope, galvanized, 1-in. ... ... fms.	—	—	—	7½	11⅓	—	—	—	—	If wire traces are in use and for breast collar grummets.
Miscellaneous										
Section D1										
Basils, brown, unstrained	—	—	—	—	—	—	—	—	—	1 every 2 neck collars in use.
Buckles, brass, bent heel, 1-in.	—	—	—	—	—	—	—	—	—	10 per cent. for cavalry rifle buckets on charge.
iron, roller, single: ⅝-in. ...	—	—	—	—	—	1	2	6	12	For Lancer regiments.
⅝-in. ...	—	1	1	2	4	—	2	4	8	
Dees, brass, 1-in. × ⅞-in.	—	—	—	—	—	—	—	—	—	10 per cent. for cavalry rifle buckets on charge.
Steelpieces	—	—	—	—	—	—	—	—	—	20 per cent. for cavalry rifle buckets on charge.
Section F										
Needles, harness	1	1	2	6	10	1	4	10	25	To be provided locally.
saddlers, sewing	1	1	2	5	8	1	3	8	20	
Section H1										
Paint, P.F.U., black lamp (*h*)	—	—	—	—	—	—	—	—	—	4 oz. every 150 blankets.
Section H2										
Thread, linen, hand: black, 3-cord oz.	2 (*f*)	—	—	—	—	—	—	—	12(*g*)	
whited brown ...	—	—	—	—	—	—	—	—	—	1 oz. every 5 pairs hair pannels, and ½ oz. every 5 lambskins.

(*a*) 25 per cent. of wire, long, and wire, adjustable, traces on charge.
(*b*) 25 per cent. of wire, adjustable, traces on charge.
(*c*) 20 per cent. of wire, short, traces on charge.
(*d*) 25 per cent. of wire, long, traces on charge.
(*e*) 15 per cent. of wire, wheel, traces on charge.
(*f*) Except Household Cavalry.
(*g*) Life Guards and Royal Horse Guards only.
(*h*) Ink, marking, black, woollens, to be issued until stock is exhausted (1 pint = 1 lb.).

TABLE 2.—MATERIAL FOR REPAIR OF HARNESS, SADDLERY AND PACKSADDLERY

War only

Designation.	Saddlery, Universal.			Harness, P.D.				Packsaddlery.					Remarks.
				Wheel.		Lead.							
	10 sets.	25 sets.	50 sets.	25 sets.	50 sets.	25 sets.	50 sets.	Artillery, 25 sets.	G.S., 25 sets.	M.G. Cavalry, 12 sets.	M.G. Infantry, 25 sets.	M.G. Hotchkiss, 12 sets.	
Section D1													
Attachments, releasable, small	—	—	—	—	—	—	—	—	—	1	—	—	
Basils, brown, unstrained	—	—	¼	¼	½	¼	½	¼	¼	—	—	—	
Buckles, brass, bent heel, 1-in.	—	—	1	—	—	—	—	—	—	—	—	—	
Buckles, brass, double, ⅞-in.	—	—	2	—	2	—	2	—	—	—	—	—	
Buckles, brass, roller, double, ¾-in. ...	—	—	1	—	1	—	1	—	—	—	—	—	
Buckles, iron, single, 1⅜-in. ...	—	—	1	—	1	—	1	—	—	—	—	—	
Buckles, iron, double, 1¼-in. curved	—	—	1	—	1	—	1	—	—	—	—	—	
Buckles, iron, double, ⅞-in. ...	—	—	1	—	1	—	1	—	—	—	—	—	
Buckles, nickel, single, 1-in., barred ...	—	1	2	1	2	1	2	—	—	—	—	—	
Buckles, triangular, black, japanned ...	—	—	—	—	—	—	—	—	—	1	—	—	
Chains, curb, S.U.	—	1	1	—	1	—	1	—	—	—	—	—	
Dees, brass, 1-in. × ⅞-in.	—	1	1	—	—	—	—	—	—	—	—	—	
Hides, brown, backs, collar ... lb.	—	—	3	1½	3	1½	3	1½	1½	—	—	—	
Hides, brown, ,, heavy ... ,,	—	—	—	2	4	2	4	—	—	—	—	—	
Hides, brown, cloak ... ... ,,	—	—	½	—	1	—	1	1	1	—	—	—	

Hooks, curb, S.U.	—	1	1	—	1	—	1	—	—	—	—	—	
Links, cranked, sliding	—	—	—	—	—	—	—	—	—	1	—	—	
Rivets, copper, tinned, ⅞-in., No. 6, S.W.G. ...	—	—	—	2	4	2	4	—	—	—	—	—	
Rivets, copper, tinned, ¾-in., No. 6 ,, ...	—	2	2	2	4	2	4	—	—	—	—	—	
Rivets, copper, tinned, ⅝-in., No. 12 ,, ...	—	2	2	2	4	2	4	—	—	—	—	—	
Rivets, iron, 2-in., No. 4, S.W.G. ...	—	—	10	—	10	—	10	—	—	—	—	—	
Saddles—													
S.U., bars, side, shaped, near ...	—	—	1	—	1	—	1	—	—	—	—	—	According to pattern of saddles.
S.U., bars, side, shaped, off ...	—	—	1	—	1	—	1	—	—	—	—	—	
Straps, girth, V-attachment	1	1	3	1	3	1	3	—	—	—	—	—	
Straps, releasable	—	—	—	1	2	1	2	—	—	—	—	—	
Washers, copper, tinned, No. 6, S.W.G. ...	—	2	2	4	8	4	8	—	—	—	—	—	
Washers, copper, tinned, No. 12 ,, ...	—	2	2	2	4	2	4	—	—	—	—	—	
Section G1													
Tacks, steel cut, No. 197 ... ... oz.	½	1	1	1	2	1	2	2	—	—	—	—	To be provided locally.
Section H1													
Beeswax ... ... oz.	½	1	2	½	1	½	1	2	—	—	—	—	
Wax, black ... ... ,,	1	2	4	3	6	3	6	2	2	—	—	—	
Section H2													
Asbestos, cloth, ⅛-in. ... ... lb.	—	—	—	—	—	—	—	—	—	¼	—	¼	To be provided locally.
Cloth, collar, white ... ... yds.	—	—	—	—	—	—	—	1	—	—	—	—	
Cord, cotton ... ... ,,	—	—	—	—	1⅓	—	1⅓	—	—	—	—	—	
,, whip ... ... oz.	—	—	—	1	2	1	2	—	—	—	—	—	
Felt, brown, 60-in. ... ... yds.	—	—	⅛	⅛	¼	⅛	¼	—	—	—	—	—	
Hair, curled ... ... lb.	—	—	—	—	—	—	—	1½	1½	½	1	½	
Thread, flax, undyed ... ... balls	¼	¾	1½	¾	1½	¾	1½	—	—	—	—	—	
Thread, linen, hand, whited brown oz.	½	¾	½	1	1	1	1	—	—	—	—	—	
Twine, quilting ... ... ,,	—	—	—	—	—	—	—	2	2	1	2	1	

TABLE 3.—MATERIAL FOR PRESERVATION OF HARNESS, SADDLERY AND PACKSADDLERY

Designation.	Peace (12 months supply).			War.		
	Harness (for each single set), P.D., Shaft, Draught, and G.S.	Pack-saddlery (for each set).	Saddlery (for each set).	Harness (for each double set).	Pack-saddlery (for each set).	Saddlery (for each set).
Section H1						
Dubbin or tallow ... ... lb.	$\frac{3}{8}$ (*a*)	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{16}$
Oil, C.70 (*b*) ... ... pints	$1\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	—	—	—
Soap { soft (*c*) ... ... lb.	$4\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	—	—	—
Soap { yellow ... ... bars	$1\frac{7}{8}$ (*d*)	$1\frac{7}{8}$	$1\frac{7}{8}$ (*d*)	—	—	—

(*a*) $\frac{3}{4}$ lb. for each single set of shaft draught and pole draught harness at Bermuda.
(*b*) For metal work only.
(*c*) Half a bar of yellow soap may be drawn in lieu of 1 lb. soft soap, but such an exchange not to exceed half the allowance. Soft soap must not be drawn in lieu of yellow soap, as the excessive use of the former is detrimental to the leather.
(*d*) $2\frac{5}{8}$ bars for each set for F.A. training brigades.
N.B.—The above quantities may be increased $\frac{1}{10}$th for colonial stations, if found necessary, by order of the G.O.C.

TABLE 4.—*MATERIAL FOR REPAIR OF SADDLE-TREES

Designation.	Peace—12 months supply.												Remarks.
	Saddle-trees.												
	Officers.	Household Cavalry.				Luggage.			Universal.				
	6	8	20	53	133	6	17	33	8	20	53	133	
Section D1													
Dees, brass, sidebar	—	2	4	8	20	—	—	—	1	2	4	10	* Suspended except for officers and Household Cavalry.
Plates, sidebar	—	—	2	6	12	—	—	—	—	2	6	12	
Rivets, iron { $1\frac{1}{8}$-in., No. 6, S.W.G. ...	—	—	—	—	—	—	(*a*)	(*a*)	—	(*a*)	(*a*)	(*a*)	(*a*) 2 each bar, side shaped, near and off.
Rivets, iron { 2-in., No. 4, S.W.G. ...	—	3	9	24	60	3	8	15	3	9	24	60	(*b*) Not for Saddlery, Household Cavalry—Saddles.
Saddles { arches { front	—	—	1	2	3	—	1	1	—	1(*b*)	2(*b*)	3(*b*)	
Saddles { arches { hind	—	—	1	1	2	—	1	1	—	1(*b*)	1(*b*)	2(*b*)	
Saddles { bars, side { near	—	—	—	—	—	—	1	2	—	1(*b*)	3(*b*)	6(*b*)	
Saddles { shaped { off	—	—	—	—	—	—	1	2	—	1(*b*)	3(*b*)	6(*b*)	
Saddles, luggage, H.S.D.—Troughs, backband	—	—	—	—	—	—	1	1	—	—	—	—	
Section F													
Pencils, carpenters	—	—	1	1	1	—	—	1	—	1	1	1	
Section G1													
Screws, brass, flat head, $\frac{1}{2}$-in., gauge No. 6	8	—	—	—	—	—	—	—	—	—	—	—	
Section G2													
Wire, steel, No. 7, S.W.G. (soft for rivets) ... ... lb.	$\frac{1}{8}$	—	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	—	$\frac{1}{4}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
Section H1													
Oil, linseed, raw ... ... pints	—	—	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	—	—	—	—	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	
Paper, glass, No. 2 ... ... sheets	—	—	1	1	2	—	—	1	—	1	2	4	
Varnish { Japan, black ... pints	—	—	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	—	$\frac{1}{8}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
Varnish { shellac ... ... ,,	$\frac{1}{8}$	—	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	—	$\frac{1}{8}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	

TABLE 5.—MATERIAL FOR REPAIR OF PACKSADDLERY

Designation.	Peace. 12 months supply. Packsaddlery Sets. Arty. 13	G.S. 13	M.G. Cavy. 13	Remarks.
Section D1				
Attachments, releasable, small ...	—	—	1	(*a*) 3 lb. each light battery.
Basils, brown, unstrained	½	½	½	(*b*) To be provided locally.
Buckles, iron, roller, double—				(*c*) Only to be indented for Pack Artillery when pannels are stuffed with flock.
Tinned 1¼-in.	—	1	1	(*d*) Only to be indented for Pack Artillery when pannels are stuffed with horsehair.
Tinned 1-in.	—	1	1	(*e*) For backs of horse breeches.
Buckles, Iron, Roller, Single tinned 3-in.	—	1	—	(*f*) For backs of curry combs.
Buckles, Iron, Roller, Single tinned 1½-in.	—	1	1	(*g*) For worsted web girths.
Buckles, Iron, Roller, Single tinned 1-in.	—	1	1	
Buckles, Iron, Roller, Single tinned ¾-in.	—	1	1	
Buckles, triangular, black japanned	—	—	1	
Hides, brown backs, collar lb.	6	6	6	
Hides, brown cloak ... ,,	1¾	1¾	1¾	
Links, cranked, sliding	—	—	2	
Rings, iron, tinned 1¾-in. ...	1	1	1	
Rings, iron, tinned 1¾-in. ...	1	1	1	
Rivets, copper, tinned, ½-in., No. 6, S.W.G.	10	10	10	
Rivets, iron, 2-in., No. 4, S.W.G. ...	—	8	8	
Squares, iron, tinned	1	1	1	
Stops rein	—	1	—	
Stops steel	1	—	—	
Trees, P.G.S. arches front ...	—	1	—	
Trees, P.G.S. arches hind ...	—	1	—	
Trees, P.G.S. bars, side shaped near ...	—	1	1	
Trees, P.G.S. bars, side shaped off ...	—	1	1	
Trees, P.M.G., Cavalry, Mk. II arches front	—	—	1	
Trees, P.M.G., Cavalry, Mk. II arches hind	—	—	1	
Washers, copper, tinned, No. 6, S.W.G.	10	10	10	
Section G1				
Rivets, steel, bosshead, ¼-in. × 1½-in. lb.	(*a*)	—	—	
Section H1				
Beeswax ... ... oz.	2	2	2	
Wax, black ... ... ,,	2	2	2	
Section H2				
Asbestos, cloth, ⅛-in. ... lb.	—	—	2(*b*)	
Cloth, collar, white ... ... yds.	2½	—	—	
Dowlas, tan, 27-in. ... ... ,,	—	2½	2½	
Duck, linen, 27-in. ... ... ,,	2½	2½	4	

TABLE 5—*continued*

Designation.	Peace. 12 months supply. Packsaddlery Sets. Arty. 13	G.S. 13	M.G. Cavy. 13	Remarks.
Section H2—continued				
Felt, brown, 60-in. ... ... yds.	⅛	—	⅙	
Flock ... ... lb.	3(*c*)	—	—	
Hair, curled ... ... ,,	2(*d*)	2	2	
Thread flax, undyed ... balls	2	2	2	
Thread linen, hand, whited brown ... ... lb.	⅛	⅛	⅛	
Twine, quilting ... ... ,,	¼	¼	¼	
Web, hemp 2-in., thick (*e*) yds.	2½	2½	2½	
Web, hemp 1¾-in., thin, (*f*) ,,	2	2	2	
Web, worsted, tanned, 4-in. (*g*) ,,	3½	3½	3½	
Section H1 (N.I.V.)				
Linen, or cotton, old (for cleaning) lb.	2½	2½	2½	

TABLE 6.—MATERIAL FOR REPAIR AND PRESERVATION OF EQUITATION ARTICLES

Peace only—12 months' supply

NOTES.—1. No other materials than those given in this table are considered necessary, the materials supplied for repairing the harness and saddlery generally being sufficient for casual repairs to the equitation articles.

2. To preserve the full strength and to prevent hardness of the leather parts of the articles, the instructions given in **Appx. 25** must be followed carefully.

Designation.	Proportion.
Section H1	
Soap, soft (*a*) ... ... lb.	3
Section H2	
Cord, whip ... ... oz.	3 For 66 horses or under.
Section H1 (N.I.V.)	
Linen or cotton, old ... lb.	½

(*a*) *See* note (*c*) on page 348.

APPENDIX 23

(*Referred to in para.* **299**)

DETAILS OF SETS OF HARNESS, SADDLERY AND PACKSADDLERY

TABLE 1.—SADDLERY, OFFICERS

Designation.	Each set.	Remarks.
Section D1		
Bits, bridoon, S.O.	1	
,, portmouth, reversible ...	1	
Blankets, saddle	1	
Cases, horseshoe, near, Mk. III	1	
S.O. off, Mk. II	1	
Collars, head, S.O., Mk. II ...	1	
Cruppers, S.O.	—	5 per cent. may be issued.
Girths, S.O., Mk. III ... pr.	1	
Heads, bridle, S.O.	1	
Leathers, stirrup, S.O.	2	
Pannels, S.O., patt. 1915 pr.	1	Only with saddles, patt. 1915.
Reins, bit, S.O.	1	
Saddles, S.O. (Mk. V or patt. 1915)	1 (*a*)	Mk. V is complete with pannels.
Skins — lamb, S.O., Mk. III ...	1 (*b*)	For Dragoon Guards, Dragoons, Lancers, 14th/20th Hussars, R.A., except Heavy and Light batteries, R.E., Rifles, and R.A.S.C. Only for full dress uniform, not service dress.
Skins — leopard	1 (*b*)	For Hussars, except 14th/20th Hussars, when full dress uniform, not service dress, is worn.
Stirrups, steel	2	
Straps — baggage, Mk. III ...	3	
Straps — cloak and wallet, S.O.	2	
Straps — cloak centre, S.O. ...	1	
Straps — extending picket peg strap	1	
Straps — sword, picket peg ...	1	
Surcingles, S.O.	1	
Wallets, S.O., Mk. IV ... pr.	1	
Section J1		
Ropes, head, cotton, Mk. I ...	1	Peace only; for camp and war the hemp pattern will be issued as part of camp equipment.

(*a*) Mk. V for Cavalry only at present. (*b*) Peace only.

TABLE 2.—SADDLERY, HOUSEHOLD CAVALRY

Designation.	Each set.	Remarks.
Section D1		
Bits—		
Bridoon, S.H.C. (*a*)	1	
Portmouth, reversible ...	1	
,, S.H.C. (*a*) ...	1	10 per cent. "high port" bits may be drawn if required.
Blankets, saddle	1	
Breastplates, S.H.C. (*a*) ...	1	
Buckets, lance	—	2 each exercise lance.
Straps	—	1 each lance bucket.
Buckets, rifle, Mk. II	—	1 each N.C.O. and man armed with a rifle.
Cases, horseshoe, S.H.C. (*a*) ...	1	
Straps, shoecase (*a*)	1	
Chains, collar, S.H.C. (*a*) ...	1	
Cheekpieces (*a*)	2	
Collars, head, parade (*a*) ...	1	
Cruppers, S.H.C. (*a*)	1	
Frogs, sword, saddle (*a*) ...	1	
Straps, securing (*a*)	1	
Girths — Cord	—	10 per cent.
Girths — S.H.C.	1	
Headpieces (*a*)	1	
Leathers, stirrup, S.U.	2	
Martingales, breastplate, Mk. II	—	5 per cent.
Ornaments, stirrup leather (*a*)	2	
Pannels, S.U., Mk. III ... pr.	1	
Reins, bit, S.H.C. (*a*)	1	
Saddles, S.H.C. (*a*)	1	
Skins—		
Lamb, white, S.H.C. (*a*) ...	1	Life Guards (except trumpeters and bandsmen).
Sheep, black, S.H.C. (*a*) ...	1	Life Guards (trumpeters and bandsmen) and Royal Horse Guards.
Stirrups, steel	2	
Straps—		
Baggage, Mk. III	3	
Cloak and wallet, S.U. ...	2	
Cloak centre, S.U.	1	
Sword, picket peg	1	
Surcingles, S.U.	1	
Wallets, S.U., Mk. III ... pr.	1	

(*a*) Peace only.

TABLE 3.—SADDLERY, UNIVERSAL

Designation.	Each set.	Remarks.
Section D1		
Bits, portmouth, reversible ...	1	
Blankets, saddle	1	
Breastplates, S.U.	—	10 per cent. of saddles for cavalry. Other units when required.
Buckets { lance	—	Peace. 2 each set of saddlery for Lancer regiments. Other cavalry units 2 each exercise lance.
Buckets { straps	1 each bucket.	
Buckets { rifle, Mk. II	1	Cavalry, R.E., R.Sigs. and R.A.S.C., 1 each N.C.O. and man (mounted) armed with a rifle. R.A., as ordered. Infantry, 1 each transport serjeant.
Buckets { signalling flag ...	—	As ordered.
Buckets { tool	—	Cavalry, as ordered, field squadrons and field troops, R.E., 1 each set of saddlery, except staff-serjeants and trumpeters.
Cases, horseshoe, S.U.	1	Except R.A., unless armed with the cavalry sword.
Straps, shoecase	1	
Collars, head, S.U.	1	
Cruppers, S.U.	—	5 per cent. of saddles.
Girths { cord	—	10 per cent. for cavalry.
Girths { S.U.	1	
Girths { pieces, extending ...	—	5 per cent. of girths.
Heads, bridle, S.U.	1	
Leathers, stirrup, S.U.	2	
Martingales, breastplate, Mk. II	—	5 per cent. for cavalry.
Pannels, S.U., Mk. III ... pr.	1	Peace only.
Reins, bit, S.U.	2	
Saddles, S.U.	1	
Stirrups, steel	2	
Straps { baggage, Mk. III ...	3	Lancer regiments, 2 only.
Straps { baggage and lance ...	1	Lancer regiments only.
Straps { cloak and wallet, S.U.	2 (*a*)	
Straps { cloak centre, S.U. ...	1 (*a*)	
Straps { sword, picket peg ...	—	1 each man armed with a cavalry sword, except R.A., R.E. and R.Sigs.
Surcingles, S.U.	1	
,, straps, extending ...	—	10 per cent. of surcingles.
Wallets, S.U., Mk. III ... pr.	1 (*a*)	
Section J1		
Ropes, head, hemp, Mk. IV ...	1	Peace only. Issued as part of camp equipment for war.

(*a*) Cavalry regiments, war only.

TABLE 4.—HARNESS, POLE DRAUGHT

Designation.	Each set. Near.	Each set. Off.	Remarks.
Section D1			
Bits, portmouth,reversible	1	1	Except when bits, snaffle, van, are allowed.
,, snaffle, van ...	1	1	Heavy draught only.
Blankets, saddle ...	1	1	
Breechings—			
H.P.D.	1	1	Wheel only, except heavy draught.
,, large	1	1	Wheel only, heavy draught.
,, small	1	1	Light artillery.
Straps, extending (*a*)	—	—	2 each breeching for 20 per cent. light and 10 per cent. heavy draught.
Collars—			
Breast, H.P.D., Mk. III	1	1	
,, H.P.D., small	1	1	Light artillery.
Head, S.U.	1	1	
Girths, S.U.	1	—	
Pieces, extending ...	—	—	Heavy draught 50 per cent., and light draught 10 per cent. of girths.
Heads, bridle, S.U. ...	1	1	
Leathers, stirrup, S.U. ...	2	—	
Leggings, drivers, Mk. II	1	—	
Neckpieces, pole-bar ...	1	1	Wheel only.
Pads, collar, Mk. II ...	1	1	Wheel only.
,, luggage, Mk. II ...	—	1	R.H.A. only.
Pannels—			
Pads, luggage, Mk. II pr.	—	1	R.H.A. only.
S.U., Mk. III ,,	1	—	
Reins, bearing	1	1	Or reins, bit, S.U.
,, driving, long sets	—	—	1 each G.S., G.S.R.E. and ambulance wagon, peace and war.
Rings, rein, driving ...	2	2	Wheel only when long driving reins are used.
Saddles, S.U., pattern '02	1	—	
Stirrups, steel	2	—	
Straps—			
Baggage, Mk. III ...	3	—	
Collar pad	2	2	Wheel only.
Hip, long, wheel ...	1	1	Wheel only.
,, short, wheel ...	1	1	Light artillery.
Loin, lead	1	1	Lead and centre only.
Neck	1	1	

TABLE 4—*continued*

Designation.	Each set. Near.	Each set. Off.	Remarks.
Section D1—continued			
Surcingles, S.U. ...	1	1	
Straps, extending (*b*)	—	—	Heavy draught 50 per cent., and light draught 10 per cent. or surcingles.
Traces—			
Wire, adjustable pr.	1	1	Wheel only.
,, long ... ,,	1	1	Lead and centre only.
,, short ... ,,	1	1	Lead and centre only.
Tugs, neckpiece, Mk. II (*c*)	1	1	Wheel only.
Whips—			
Drivers	1	—	
Driving, Mk. III ...	—	—	1 each set of driving reins.
Section J1			
Ropes, head, hemp, Mk. IV	1	1	Peace only. Issued as part of camp equipment for war.

(*a*) Also suitable for extending " neckpiece, pole-bar " if required.
(*b*) Also suitable for extending " neck straps " if required.
(*c*) Tugs, neckpiece, will not form part of sets of harness for vehicles fitted with bars, supporting, draught pole.

TABLE 5.—HARNESS, SHAFT DRAUGHT

Designation.	Each set. Near.	Each set. Off.	Remarks
Section D1			
Bands, back	—	1	
Bits—			
Portmouth, reversible	1	1	Except heavy draught.
Snaffle, van	1	1	Heavy draught only.
Blankets, saddle ...	1	—	
Breechings—			
H.P.D.	1	1	Except heavy draught.
H.P.D., small ...	1	1	Light artillery.
H.P.D., large ...	1	1	Heavy draught only.
Straps, extending (*a*)	—	—	2 each breeching for 20 per cent. light and 10 per cent. heavy draught.
Collars—			
Breast, H.P.D., Mk. III	1	1	
Breast, H.P.D., small	1	1	Light artillery.
Head, S.U.	1	1	

TABLE 5—*continued*

Designation.	Each set. Near.	Each set. Off.	Remarks.
Section D1—continued			
Girths—			
H.S.D.	—	1	
S.U.	1	—	
Pieces, extending ...	—	—	Heavy draught 50 per cent., and light draught 10 per cent. of girths.
Heads, bridle, S.U. ...	1	1	
Leathers, stirrup, S.U. ...	2	—	
Leggings, drivers, Mk. II	1	—	
Numnahs, H.S.D. ...	—	1	
Pads, collar, Mk. II ...	1	1	
Pannels H.S.D. pr.	—	1	
Pannels S.U., Mk. III	1	—	
Reins bearing	1	1	Or reins, bit, S.U.
Reins driving, long (*b*) set	—	1	
Reins side (*c*)	—	1	
Rings, rein, driving (*b*)	2	2	
Saddles luggage, H.S.D.	—	1	
Saddles S.U. patt. '02	1	—	
Stirrups, steel	2	—	
Straps—			
Baggage, Mk. III ...	3	3	
Collar pad	2	2	
Girth, H.S.D., Mk. II	—	4	
Hip, long, wheel ...	1	1	
,, short, wheel ...	1	1	Light artillery.
Neck	1	1	
Surcingles, S.U. ...	1	1	
Straps, extending (*d*)	—	—	Heavy draught 50 per cent., and light draught 10 per cent. of girths.
Traces, wire, adjustable pr.	1	1	
Tugs, backband ...	—	2	
Whips drivers	1	—	
Whips driving, Mk. III (*b*)	—	1	
Section J1			
Ropes, head, hemp, Mk. IV	1	1	Peace only. Issued as part of camp equipment for war.

(*a*) Also suitable for extending " neckpieces, pole bar " if required.
(*b*) Peace and war. Not allowed when the vehicle is drawn by 2 animals working side by side.
(*c*) Only when the vehicle is drawn by 2 animals working side by side.
(*d*) Also suitable for extending " neck straps " if required.

TABLE 6.—PACKSADDLERY, GENERAL SERVICE AND GENERAL SERVICE (MODIFIED)

(*See* **Manual of Horsemanship, etc., 1937, Chap. II, Section 25**)

Designation.	Each set. G.S.	Each set. G.S. (Modified).	Remarks.
Section D1			
Attachments, V-girth—			
Near	—	1	(*a*) When specially ordered.
Off	—	1	(*b*) For each pair of hanging bars.
Bags, intrenching tool ...	1 (*a*)	1 (*a*)	(*c*) 33⅓ per cent. of units entitlement will be supplied in short girths, balance will be in long girths.
Bars, hanging, Mk. II ...	2 (*a*)	2 (*a*)	(*d*) For bags, intrenching tool, when authorized.
Bits, bridoon, P.G.S. ...	1	1	(*e*) Reins, bit, S.U., will be issued to cavalry and reins, leading, to light artillery.
Breechings, P.G.S., Mk. V	1	1	(*f*) To be marked in white paint "P.G.S." in each corner.
Carriers, universal ...	2 (*a*)	2 (*a*)	
Cases, horseshoe, P.G.S.	1	1	
Chains, collar, P.G.S. ...	1	1	
Collars—			
Breast, P.G.S., Mk. V	1	1	
Head, P.G.S., Mk. IV	1	1	
Covers, 6-ft. ×6-ft., Mk. III	1	1	
Cruppers, P.G.S., Mk. V	1	1	
Girths—			
Leather	1 (*b*)	1 (*b*)	
P.G.S.—			
Mk. V	2	—	
Mk. VI long / short	—	2 (*c*)	
Steadying	1 (*d*)	1 (*d*)	
Pannels, P.G.S.—			
Mk. V... ... pr.	1	—	
Mk. VI ... ,,	—	1	
Reins, bridoon, P.G.S. (*e*)	1	1	
Ropes, baggage, Mk. II pr.	2	2	
Straps, girth, P.G.S., Mk. II	4	4	
Surcingles, P.G.S., Mk. III	1	1	
Trees, P.G.S.—			
Mk. I	1	—	
Mk. II	—	1	
Section KC			
Blankets, brown, single	1 (*f*)	1 (*f*)	

TABLE 7.—PACKSADDLERY, MACHINE GUN, .303-IN., VICKERS, CAVALRY

Designation.	Each. Gun set.	Each. 1st Ammunition Set.	Each. 2nd Ammunition Set.
Section D1			
Bits, bridoon, P.G.S.	1	1	1
Breechings, P.G.S., Mk. V	1	1	1
Caps, shovel, Mk. II*	—	—	2 (*a*)
Carriers, water-can and condenser	—	1	—
Cases, horseshoe, P.M.G., modified	1	1	1
Collars—			
Breast, P.G.S., Mk. V	1	1	1
Head, P.G.S., Mk. IV	1	1	1
Cruppers, P.G.S., Mk. V (*b*)	1	1	1
Girths—			
Leather	—	1	1
P.G.S., Mk. V	2	2	2
Hangers—			
Gun, sling, cavalry	1	—	—
Tripod, sling, cavalry	1	—	—
Leggings, drivers	1	1	1
Pannels—			
P.G.S., Mk. V ... ... pr.	—	1	1
Vickers gun, cavalry (*d*) ... ... ,,	1	—	—
Racks, boxes, belt, ammunition, cavalry ...	—	2	2
Reins, bit, S.U.	1	1	1
Slings, ammunition belt boxes, cavalry ...	1	—	—
Straps—			
Detachable, shovel	—	1 (*c*)	2 (*a*)
Girth, P.G.S., Mk. II	4	4	4
Pick and helve	—	—	2 (*a*)
Suspending shoecase	1	1	1
Supports, Vickers gun, cavalry (*d*)	1	—	—
Trees, P.M.G., Cavalry, Mk. II	1	1	1
Rests, Mk. II	1	—	—
Section J1			
Ropes, head, hemp, Mk. IV	1	1	1

(*a*) May be issued to cavalry regiments for use with 1st ammunition sets for training during peace.

(*b*) Large size for horses and medium size for mules.

(*c*) For attaching condenser tube to petrol can.

(*d*) Manufacture and modification carried out regimentally in accordance with L. of C. A3187.

TABLE 8.—PACKSADDLERY, MACHINE GUN, LEWIS

Designation.	Each. Gun Set.	Each. Ammunition Set.
Section D1		
Bits, bridoon, P.G.S. (*a*)	1	1
Breechings, P.G.S., Mk. V (*a*)	1	1
Caps, shovel, Mk. II*	—	1
Cases { accessories, Lewis	1	—
Cases { horseshoe, P.G.S.	1	1
Chains, collar, P.G.S.	1	1
Collars { breast, P.G.S., Mk. V (*a*)	1	1
Collars { head, P.G.S., Mk. IV (*a*)	1	1
Covers, gun, Lewis	1 (*b*)	—
Cruppers, P.G.S., Mk. V (*a*)	1	1
Girths, P.G.S., Mk. V (*a*)	2	2
Pannels, P.G.S., Mk. V (*a*) ... ... pr.	1	1
Racks, box, carrier, magazine, Lewis—		
Near	1 (*b*)	1
Off	1 (*b*)	1
Reins, bridoon, P.G.S. (*a*)	1	1
Straps, carrying, gun, Lewis—		
Fore	1 (*b*)	—
Hind	1 (*b*)	—
Straps { girth, P.G.S., Mk. II (*a*)	4	4
Straps { pick and helve	—	2
Surcingles, Lewis	1 (*b*)	1
Trees, P.G.S. (*a*)	1	1
Section D1		
Bands, belly, P.M.G.	1	—
,, belly, P.M.G., straps, long	1	—
,, belly, P.M.G., straps, short	1	—
,, belly, P.M.G., straps, supporting ...	2	—
Hangers, gun, sling	1	—
Section D1 (N.I.V.)		
Carriers, ammunition, Lewis, machine gun	2	—
Straps, suspending ammunition carrier—		
Lewis machine gun—		
Front	1	—
Rear	1	—
Valises, Lewis machine gun	1	—

(*b*) Until stocks are exhausted the following will be issued with each Gun set in lieu—

(*a*) Except infantry battalions in China, which will get these items with the pack animals supplied by the Hong Kong Mule Corps.

TABLE 9.—PACKSADDLERY, MACHINE GUN, HOTCHKISS

Designation.	Each. Gun Set.	Each. Ammunition Set.
Section D1		
Bits, bridoon, P.G.S.	1	1
Breechings, P.G.S., Mk. V	1	1
Carriers—		
Ammunition, Hotchkiss	4	6
Straps—		
Retaining, 3-carrier	2	4
Retaining, 1-carrier	2	—
Handle, releasable	1	2
Cases, horseshoe, P.G.S.	1	1
Caps, shovel, Hotchkiss	1	—
Collars—		
Breast, P.G.S., Mk. V	1	1
Head, P.G.S., Mk. IV	1	1
Covers, gun, Hotchkiss	1	—
Cruppers, P.G.S., Mk. V	1	1
Girths—		
Leather	1	1
P.G.S., Mk. V	2	2
Hangers, gun, sling, Cavalry	1	—
Leggings, drivers	1	1
Pannels, Hotchkiss ... ... pr.	1	1
Racks, ammunition, Hotchkiss	1	2
Reins, bit, S.U.	1	1
Straps—		
Girth, P.G.S., Mk. II	4	4
Pick and helve	2	—
Shovel, Hotchkiss	2	—
Sticks, leading	1	1
Trees—		
P.M.G., Cavalry, Mk. II	1	1
Rests, Mk. II	1	—
Section D1 (N.I.V.)		
Cases, spare barrel, Hotchkiss	1 (*a*)	—
Section J1		
Ropes, head, hemp, Mk. IV	1	1

(*a*) Attached to the off-side of the saddle of No. 3 gun detachment.

TABLE 10.—PACKSADDLERY, RIFLE, ANTI-TANK

Designation.	No.	Remarks.
Section D1		
Bits, bridoon, P.G.S.	1	(*a*) 1 each pack leader only.
Breechings, P.G.S., Mk. V	1	(*b*) For securing rack to side bar of tree, or cover, to connecting bar of tree when not on the rifle.
Carriers, ammunition, rifle, anti-tank—		
Lower	1	
Upper	1	
Straps, securing	2	
Cases, horseshoe, P.M.G., modified ...	1	
Collars—		
Breast, P.G.S., Mk. V	1	
Heads, P.G.S., Mk. IV	1	
Cruppers, P.G.S., Mk. V	1	
Girths, P.G.S., Mk. V	2	
Hangers, rifle, anti-tank	1	
Leggings, machine gunners (*a*)	1	
Pannels, rifle, anti-tank ... ... pr.	1	
Racks, rifle, anti-tank	1	
Reins, bit, S.U.	1	
Straps—		
Girth, P.G.S., Mk. II	4	
Securing rack or cover, anti-tank rifle (*b*)	3	
Suspending shoe case	1	
Trees, P.M.G., Cavalry, Mk. II	1	
Section J1		
Ropes, head, hemp, Mk. IV	1	

TABLE 11.—PACKSADDLERY, MACHINE GUN, BREN

Designation.	Tripod Set.	Ammn. Set.	Saddle, horse.	
			No. 1.	No. 2.
Section A1				
Bandoliers, Bren (Riders) ...	—	—	1	1
Section D1				
Bits, bridoon, P.G.S.	1	1	—	—
Breechings, P.G.S., Mk. V. ...	1	1	—	—
Buckets, gun, Bren	—	—	1	—
Caps, shovel, Mk. II	1	2	—	—
Carriers, magazine, Bren	8	8	—	—
Cases—				
Barrel, Bren	—	—	1	1
Horse-shoe, P.M.G. (modified)	1	1	—	—
Collars—				
Breast, P.G.S., Mk. V	1	1	—	—
Head, P.G.S., Mk. IV	1	1	—	—
Cruppers, P.G.S., Mk. V	1	1	—	—
Girths, P.G.S., Mk. V	2	2	—	—

TABLE 11—*continued*

Designation.	Tripod Set.	Ammn. Set.	Saddle, horse.	
			No. 1.	No. 2.
Section D1—continued				
Leggings, drivers, Mk. II	—	—	1	1
Pannels, Bren ... ... pr.	1	1	—	—
Reins, bit, S.U. ... ... ,,	1	1	—	—
Straps—				
Detachable, shovel	2	3	—	—
Girth, P.G.S., Mk. II	4	4	—	—
Pick and helve	—	2	—	—
Securing, magazine, carrier ...	8	8	—	—
Suspending shoe case	1	1	—	—
Suspenders, magazine carrier ...	4	4	—	—
Trees, P.M.G.—				
Bren	1	—	—	—
Cavalry, Mk. II	—	1	—	—
Wallets, magazine, gun, Bren pr.	—	—	1	1
Front arch attachment ,,	—	—	1	1
Straps	—	—	2	2
Section J1				
Ropes, head, hemp, Mk. IV (*a*) ...	1	1	—	—

(*a*) Peace only. Ropes, head, 10-ft., issued as part of camp equipment for war.

TABLE 12.—EQUITATION ARTICLES

(*Referred to in para.* **308**)

Designation.	Each set.	Remarks.
Section D1		
Bridles, mouthing—		
Bits	1	
Heads, bridle	1	
Reins	1	
Snaffle	4	
Caps, knee, horse ... pr.	1	
Cavisons	3	
Girths, breaking	1	
Pads, driving, breaking	1	
Reins—		
Cord, driving, breaking ...	1	
Running, riding	1	
Web, driving, breaking ...	2	
Straps, throwing—		
Long	1	
Short	1	
Whips—		
Hand	2	
Longeing	1	

APPENDIX 24

(*Referred to in para.* **247**)

INSTRUCTIONS RELATING TO HARNESS AND SADDLERY STORED WITH MOBILIZATION EQUIPMENTS

1. The following will be stored in accordance with the scale detailed below :—

Designation.	Percentages of sizes for—				
	Saddlery, universal.			Harness.	
	Cavalry.	Royal Horse Artillery.	Other units.	Royal Artillery.	Other units.
Section D1					
Bits, portmouth, reversible—					
Large	30	50	50	80	100
Medium	60	50	50	20	—
Small	10	—	—	—	—
Collars, head, S.U.—					
Special large	—	—	—	—	—
Extra large	—	—	—	—	—
Large	70	90	90	90	90
Small	30	10	10	10	10
Girths, leather, S.U.—					
Large	—	30	30	40	70
Medium	100	70	70	60	30
Heads, bridle, S.U.—					
Extra large	—	—	—	—	—
Large	70	90	90	90	90
Small	30	10	10	10	10
Leathers, stirrup, S.U.—					
Long	60	60	60	10	10
Short	40	40	40	90	90
Pads, collar—					
Large	—	—	—	—	—
Small	—	—	—	100	100
Saddles, universal, steel arch—					
Large	10	30	40	100	100
Medium	90	70	60	—	—
Surcingles, S.U.—					
Large	100	100	100	100	100

Stirrups

2. Stirrups will be all large size.

Snaffle Van Bits

3. The snaffle van bit is a strong double ring pattern bit with twisted mouthpiece, for use with horses until they become accustomed to the service bit.

Straps, Extending Breeching

4. These straps are 1½-in. in width and 13-in. in length, and are fitted with a 1¾-in. buckle to take the breeching strap. Breechings generally require extension when used with heavy van horses, and in such cases two extending straps will be used —one on each side to allow the seat of the breeching and the hip straps to work evenly. These straps are also suitable for extending the " neckpiece, pole bar."

Girths, Pieces, Extending

5. The extending piece is 12-in. in length, fitted with two 1-in. buckles, and split into two 1-in. straps to buckle into the girth. It can be used with universal saddlery girths or with luggage girths.

Surcingles, Leather—Straps, Extending

6. The strap for extending the surcingle is 13-in. in length, fitted at one end with a buckle and suitably punched at the other end. These straps can also be used for extending " straps, neck," or " straps, hip, long wheel."

APPENDIX 25

(*Referred to in paras.* **246, 250,** *and* **515**)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF HARNESS, SADDLERY, AND PACK-SADDLERY

General

1. Leather used in the manufacture of harness and saddlery is of two general descriptions :—

Crop leather.—No grease is used in the making, and it is intended for use where a considerable amount of stiffness is necessary, as in a rifle bucket or the seats and flaps of saddles.

Curried leather.—Produced by introducing grease composed of cod oil and tallow into the fibres of the leather after tanning so as to make it pliable. The various descriptions of this leather are known as " heavy," " collar," " bridle," " light hide," " shoulders " and " cloak hide." By far the greater quantity of leather used in the manufacture of harness and saddlery is curried.

2. Black saddlery leather only differs from brown in that the upper surface is dyed black.

3. In both crop and curried leather the smooth upper surface from which the hair has been removed is known as the " grain," the under surface as the " flesh."

Harness, Saddlery or Packsaddlery in Storehouses

4. It is most important that storehouses should be kept dry and well ventilated.

Leather becomes mouldy (mildewed) if stacked in a damp state, or if stored in damp or unventilated premises, and if not attended to the " grain " is affected. Mould can be removed by wiping or brushing off, and the ill-effects, if taken in time, can be remedied by re-treatment with dubbin or tallow.

The temperature of a storehouse will be kept at about 60 degrees Fahr.

5. Leather stored in a draught or exposed to excessive light deteriorates.

The frames in which harness, saddlery or packsaddlery is stored will be provided with canvas as curtains and top cover as authorized in Barrack Schedules. This will shield the leather from sun and excessive light, and also prevent the accumulation of dust.

6. Method of storage.—Particular attention will be given to the storage of each class of article to prevent them from becoming unshapely or unsuitably bent.

Breechings.—If not kept flat, will be folded in bundles of three, one seat inside the other, care being taken that the seat of any breeching is not bent sharply.

Breast collars.—Will be kept on the curve similarly to when in use, and in bundles of three, paper being placed between the breast collars to prevent the steel-work blackening the leather. They will not be hung over poles or narrow wood bars.

Head collars.—Will be tied by the tops of the heads only, in bundles of six, and suitably hung in the frame.

Officers saddles.—Mk. IV or V will be covered and encased with thin paper, secured with string, each saddle being separate and not packed one on the other. Saddles without pannels will be stacked in bays, end upwards, on the front arch, resting on paper, and then covered with paper and canvas.

Universal saddles, luggage saddles, etc.—Will be placed with the rear points of the sidebars uppermost. They will not be laid flat on the shelves, nor will the flaps be spread or sharply bent in.

Officers wallets.—Will be packed in two or three pairs, the package being covered with paper.

Cavalry rifle buckets.—Will be hung on poles or lines by their straps, and not stacked on each other, which has the effect of flattening them out of shape.

When packed as a temporary measure in vats or cases, the shape of each bucket must be preserved by filling it out with paper, straw or hay, and allowing sufficient space to prevent compression.

Wire traces.—Will be kept straight.

Strapping generally.—Will be kept flat on shelves, and not rolled or buckled. The heads and reins of officers saddlery will be stacked and covered with paper.

Bits.—Will be kept separate from leather work. The bridoon bits of officers saddlery will be laid out clear of the reins and covered with paper.

Metalwork generally.—Will be kept from resting against leather, paper being introduced between the two materials when necessary.

Leather hides or pieces of hides.—Will be kept flat on shelves, but crop hides may be rolled in parcels of five. Pipe strips for re-covering wire traces will also be kept flat.

Articles liable to destruction by moth.—Articles such as saddle blankets, numnahs, numnah pannels, worsted girths, brushes, harness, brushes, horse, etc., will be kept in the original packages, provided that these are undamaged and moth-proof.

Loose articles of this nature will be packed in cases lined with brown paper. The paper must be devoid of holes and tears, and folded over where the ends join in such a manner as to prevent any opening through which moths may penetrate. The lids of cases will be kept tightly secured with screws.

A sprinkling of naphthalene will be placed inside the packages, but it is not necessary to smother articles in naphthalene.

The packages will be kept in the light.

Preservative Treatment of Harness, Saddlery or Packsaddlery in Storehouses

7. Different methods of treatment must be employed for crop and curried leather. In the former it is important to preserve the stiffness, and the only treatment consists in applying tallow to the " grain " side to prevent cracking. In the latter it is important to preserve pliability and this is done by applying dubbin, or tallow in the case of certain articles specified in this paragraph.

No definite rule can be laid down as to how often leather should be treated with dubbin or tallow. This must be determined by its appearance and " feel," but, generally

speaking, it should be dubbed or tallowed at least once in three years or oftener if the conditions of storage are not good.

The grain of any description of leather will give indications of whether re-treatment is requisite by an obviously dry appearance. In articles or parts where pliability is essential, a further test is possible by passing between the forefinger and thumb and slightly bending the leather whilst so doing, when want of grease will be evident to the touch. The leather must *not* be sharply bent, as this is an unfair test, likely to cause damage. It must, however, be borne in mind that articles which are in intimate touch with the animal, such as the inside of a breast collar or girth, require treating more often than, say, the releasable strap of a wire trace, where a certain amount of stiffness is requisite for efficient use. Also articles made from leather known as " cloak hide," such as packsaddlery breechings and breast collars, saddlery wallet covers and gussets, may require more frequent treatment than other articles, as the leather is only lightly dressed with grease and a drier appearance is consequently presented than in other articles.

Grease, such as dubbin or tallow, is only a preservative when it enters the fibres of the leather. The best way to ensure this is to apply it when the leather is in a damp condition, for as the moisture dries the grease enters. But it must be remembered that only a certain amount can be absorbed, and therefore to use it in excessive quantities is both useless and wasteful, and only produces a surface on which dirt adheres readily.

The following articles will be treated with tallow :—

All articles of officers saddlery, but seats and flaps of saddles on the smooth surface only.
Cavalry rifle buckets (on the smooth surface only).
Reins, bit, S.U.
Strapping or leather fittings of numnahs or numnah pannels.
Saddles, S.A. seats and flaps (on smooth surface only).
V-girth attachments and straps.
Packsaddlery pannels, backs of.
Leather parts of web girths.
Packsaddlery breast collars and breechings.
Caps, shovel.
Cases, spare barrel.
Neck collars—all parts except lining.
Pads, luggage, R.H.A.
Saddles, luggage—Seats and flaps on smooth surface only.

Dubbin will be used on all articles other than these.

Method of treatment.—All dirt or dust will first be removed. The leather work will, wherever possible, be made slightly damp on both surfaces by sponging with cold water. Both surfaces will then be treated with the tallow or dubbin, as the case may be, which in the winter may be slightly warmed if necessary.

Articles of crop leather (as they require treatment with tallow on the grain side only) will only be damped on that side.

8. Metal parts.—Rust must be carefully guarded against by lacquering the iron or steel parts with varnish. If rust has formed it must be removed before relacquering.

9. Annual cleaning.—The harness, saddlery and packsaddlery will be removed from the frames annually and cleaned.

Leather parts will be cleaned with a cloth and brush to remove dust and dirt, and stain or dirty marks caused by handling removed with a little yellow soap and damp cloth or sponge.

Articles of Harness, Saddlery or Packsaddlery in use

10. Handling and repairs.—Reasonable care must be exercised in the handling of articles of harness and saddlery.

Fractured arches or broken sidebars result when saddles are carelessly dropped or thrown about ; a rifle bucket may damage the rifle itself if the body is bent out of shape ; the usefulness of a collar pad is destroyed when its shape is altered by rough usage ; the " throat " of a neck collar is weakened or even broken by unduly stretching the top—these are a few of the more common results of misuse.

Minor defects should be attended to at once— a serious repair is often thus avoided. Stitching should be tested from time to time, as the life of thread is shorter than that of leather. Making holes in strapping by any means other than that of the saddler's punch should be discouraged.

Girth straps require special attention, as the scoring of the leather between holes incidental to " girthing up " results sooner or later in the strap becoming unserviceable owing to a break in the material.

11. The scrubbing of leather is undesirable as it rots the stitches. It should not be resorted to unless the dirt or grease is too thick to be removed by washing in lukewarm water and soap with a sponge. Soda in the water, or hot water, destroys the leather, and must not be used.

12. The drying of leather by the fire, or keeping it near fires or heating apparatus, destroys its durable properties.

13. Care and preservation.—Particular attention is drawn to para. 7 of this Appendix regarding leather and its preservation, which is also applicable to articles in use, except that dubbin will be used instead of tallow.

It is desirable that harness, saddlery and packsaddlery in use by troops should, when the necessary facilities are possible, be laid by in dubbin for two or three days once in every six months, as in this way the life of the article is prolonged by the leather being fed. The whole of the strapping should be taken to pieces, and the leather damped and treated with dubbin as laid down for new articles in stores.

Soft soap is not a preservative in the same sense as dubbin or tallow. It should only be employed on articles in actual use to produce mellowness in the leather. If applied too freely it gives a dark appearance which is unsightly.

Saddle soaps commonly used to produce the same effect are not objectionable provided they are of good quality.

Soft soap should be used daily where articles are in constant use to produce mellowness in the leather with subsequent pliability of strapping and preservation of the " grain." But, similarly to dubbin, it is only waste to use it thickly, and the best way is to apply it in a lather with a sponge.

Leather which has become wet in use should be treated with a light application of dubbin to prevent a hard and stiff condition arising when dry.

Parts of harness or saddlery affected by sweat from the animal, *i.e.* the inside surfaces of breast collars, leather girths, etc., should be sponged after use with clean cold water, and then soft soaped to keep them pliable and soft.

When harness and saddlery is not kept in saddle or harness rooms but is hung in the stables, the leather suffers somewhat from the action of ammonia, but the six-monthly treatment with dubbin usually prevents any ill-effects that might arise.

14. Care of felt, web, rope and textile parts.—Saddle blankets, pannel numnahs, the lining of neck straps, etc., should after use be placed in the sun or wind to dry, and then beaten and brushed. Scraping the grease from felt must be prevented—it should not be allowed to become necessary.

Web girths may be scrubbed with clean cold water, and drivers whips may be treated similarly, but scrubbing of rope work must be avoided unless absolutely necessary, as it tends to rot the rope.

15. Care of metal work.—Bits, stirrups, etc., should be wiped dry after use and then rubbed over with an oiled rag. Much trouble will be saved if this is done before the rust has time to form. Before using the bit again, wipe the oil from the mouthpiece.

Grease must also be removed from the under surface of collar pads—this if done daily removes one of the causes of sore withers.

APPENDIX 26

(*Referred to in paras.* **273** *and* **303**)

CAMP EQUIPMENT

TABLE 1.—STANDING CAMPS. PROPORTIONS FOR ALL SERVICES

Designation.	Proportion.
Section A1	
Bags, letter	1 each divisional and brigade headquarters office.
Section D1	
Chains, collar, P.G.S. ...	1 each mule if not already in possession as part of packsaddlery.
Muzzles, horse	1 each animal, Egypt, Palestine and Cyprus only.
Section E1	
Carts, water (*a*)	2 each battalion of infantry, R.T.R. and A.A. searchlight battalion, R.E. 1 each regiment of cavalry, brigade R.A., divisional engineers, divisional signals, or other unit camping independently. Only to be issued if water is not laid on to the cooking places on the camp ground.
Section E3	
Posts, picket, 5-ft., Mk. III	10 each drying tent.
Section F	
Anvils, 1¼-cwt.	1 each forge, field, heavy.
,, blocks, 1¼-cwt. ...	1 each anvil.
Crowbars	4 each regiment of cavalry (horsed). 1 each battalion of infantry, battery R.A., field squadron, field company, and signal company with horse transport.
Forges, field, heavy ...	2 each regiment of cavalry (horsed). 1 each other mounted unit not provided with a forge in peace equipment.
Hammers, sledge, straight pane, 14-lb.	2 each regiment of cavalry, cavalry armoured car, battalion R.T.R. and battalion of infantry. 1 each divisional and brigade headquarters, battery R.A., field squadron, field company, R.E., company R. Signals, "24 light" company A.A. searchlight, R.E., or other unit camping independently.
Section H1	
Containers, tin, 2-gal. ...	As necessary for each isolated A.A., detachment, R.E., for storage of water. To be issued under command arrangements.
Section H2	
Twine, packing, coarse, sisal	2-lb. every 100 men for drying tent. (To be used, if necessary, for baling stores on expiration of camp.)

(*a*) Not required to be horsed.

TABLE 1—*continued*

Designation.	Proportion.
Section J1	
Axes—	
Felling	5 every regiment of cavalry, cavalry armoured car regiment, battalion of infantry and battalion of R.T.R. 1 each divisional and brigade headquarters, battery R.A., field squadron, field company, R.E., company R. Signals, "24 light" company A.A. battalion R.E. or other unit camping independently.
Hand (*a*) ...	10 of each for each regiment of cavalry, cavalry armoured car, battalion of infantry, and battalion R.T.R.
Pick, 4½-lb. (*a*)—	
Heads ...	3 of each for each battery R.A., field squadron and field company R.E., and company R. Signals.
Helves ...	1 of each for every 50 men of other units camping independently.
Barrows, wheel, entrenching, Mk. III with wheels	1 every 20 animals.
Boxes, stationery, field ...	1 each divisional and brigade headquarters.
Buckets, water, canvas, Mk. V	1 every 2 animals.
Chairs, camp	1 each general officer.
Covers—	
Saddle, Mk. III (*b*) ...	1 each set of saddlery or single set of harness. 2 each double set of harness.
Waterproof—	
30-ft. × 30-ft. ...	1 each regiment of cavalry (if horsed).
15-ft. × 15-ft. ...	4 each regiment of cavalry, battalion of infantry, battalion R.T.R., A.A. searchlight battalion, R.E., battery R.A. (horsed), field squadron R.E. (horsed). 2 each field company R.E., No. 1 company Corps Signals, Nos. 1 and 2 companies infantry divisional signals. 1 each all other units.
Flags, distinguishing (with poles)	As required.
Forms, dining tent, Mk. II	2 each table trestle in serjeants' mess, dining tent and recreation tent. As required for divisional headquarters conference tent.
Kettles, camp, oval, 12-qt. (*c*)	1 every 8 warrant officers, N.C.Os. and men.
Latrines, screens, Mk. III	As necessary for latrine accommodation and bathing stations.
Mallets, heel, peg, Mk. III	1 every 3 officers horses. 1 every 8 other animals.

(*a*) Also, as necessary, for isolated searchlight, etc., detachments.
(*b*) Not if tents are issued for storage of harness.
(*c*) Additional issues may be made in the case of small isolated searchlight detachments, etc., where central cooking is not arranged.

TABLE 1—*continued*

Designation.	Proportion.
Section J1—continued	
Mauls—	
Heads, Mk. VI	1 every 50 animals. 2 for mechanized or dismounted units with a strength of over 500.
Helves, Mk. II	1 for mechanized or dismounted units with a strength of under 500.
Nets, hay	1 each animal if specially required.
Ovens, Aldershot, Mk. II (*a*)	2 each regiment of cavalry, cavalry armoured car regiment, battalion A.A. searchlight, R.E., battalion of infantry, and battalion. R.T.R. 1 each other unit.
Plates, bottom	1 each oven when specially required.
Pegs, picketing, Mk. II (*b*)	1 each heel rope. 1 each 4-ft. 9-in. picketing rope. 25 per cent. spare.
Pins, picketing	1 each mule.
Posts, picketing, 2½-ft., Mk. V	1 every 10 animals. (To increase stability of built-up rope.) 1 each rope, picketing, 4-ft. 9-in., issued for unruly horses.
Racks, arm	1 each warrant officers, N.C.Os. and mens tent.
Ropes—	
Head, 10 ft. (*c*)... ...	1 each animal and 10 per cent. spare.
Heel, small, Mk. IV ...	1 each animal and 20 per cent. spare.
Picketing, 4-ft. 9-in. (*d*) (*h*)	1 each animal and 10 per cent. spare. (Except for units holding these stores on peace equipment charge.)
Rugs, horse (*e*)	1 each public animal.
Sheets, ground—	
Mk. VIII (*f*)	1 each warrant officer, N.C.O. and man.
Unserviceable	1 each motor-cycle on establishment (covering purposes).
Shovels, G.S. (*g*)	16 each regiment of cavalry and cavalry armoured car regiment. 10 each A.A. searchlight battalion, R.E., battalion of infantry, battalion R.T.R. 5 each other mounted unit. 3 each other dismounted unit.

(*a*) Only when the same troops are under canvas for a consecutive period of more than 28 days.
(*b*) Pins, picketing may be issued in lieu where considered suitable.
(*c*) For mules, chains, collar, will be allowed. *See* Section D1 above.
(*d*) Ropes, picketing, 66-ft., at the rate of 1 every 20 animals may be issued in lieu if desired and available locally.
(*e*) Rugs allowed under para. **303,** if in possession, will be taken.
(*f*) When tent bottoms are not supplied.
(*g*) R.E. will receive spades, Mk. III, in lieu.
(*h*) To enable unruly horses to be picketed separately additional ropes, picketing, 4-ft. 9-in., may be issued, but the total requirements will be limited to 10 per cent. of the annual strength in camp.

TABLE 1—*continued*

Designation.	Proportion.
Section J1—continued	
Spades, Mk. III	10 each regiment of cavalry, cavalry armoured car regiment, A.A. searchlight battalion, R.E., battalion of infantry and battalion R.T.R. 5 each other mounted unit. 3 each other dismounted unit.
Stools, camp, Mk. IV ...	For office tents. As required in lieu of chairs, G.S.
Stoves, Soyers (*a*) ...	*Cooking and baths.* 1 every 70 men with a minimum of 2 for each unit camping independently. 2 each " 24 light " company and section A.A. searchlight, R.E., if dispersed. *Hot Feeds.* 1 each regiment of cavalry and brigade of artillery, brigade of infantry, or smaller unit having horses on its establishment and camping independently.
Tables—	
Camp, Mk. III	1 each general officer.
Trestle, 6-ft. (*b*) ...	*Serjeants' messes.* 1 every 8 members. *Dining tents.* 15 each store tent. 5 each marquee. 1 each searchlight detachment, A.A. searchlight battalion, R.E. *Recreation tents.* 6 each marquee.
Tents, complete— C.D.	*Accommodation purposes.* 1 each general officer or brigadier.
C.S., Mk. V (*c*)	*Accommodation purposes.* 1 each field officer, adjutant, company squadron and battery commander. 1 every 2 other officers. 1 every 2 warrant officers, Class I. 1 every 4 warrant officers, Class II and staff serjeants. 1 every 6 serjeants. 1 every 8 other ranks below the rank of serjeant, except batmen. 1 every 4 officers batmen. (Only 1 tent, C.S. for each searchlight detachment, A.A. searchlight battalion, R.E. will be issued.) 2 for guards. 1 for medical officer's orderly and medical inspection tent.

(*a*) Only when coal fuel issued. (*b*) Or tables, portable, F.S.
(*c*) Issues of C.D. in lieu at stations abroad, *see* para. **273.**

TABLE 1—*continued*

Designation.	Proportion.
Section J1—continued	
Tents, complete—*continued* C.S. Mk. V (*a*)—*continued*	*Offices.* 1 each squadron, battery or company office. 1 each troop cavalry divisional signals. *Offices and stores.* 3 each R.A. Survey Section. *Armourers.* 1 each regiment of cavalry, cavalry armoured car regiment, and infantry battalion. *Harness and saddlery.* 1 each field company, R.E. (horsed). (Or 1 marquee for 3 companies when concentrated.) 1 each troop cavalry divisional signals.
Marquee, G.S., single ...	*Dining purposes.* 1 every 40 men where the actual strength of corporals and privates at camp is 80 or under, or the balance after calculating for store tents is 80 or under. *Recreation room.* 1 each regiment of cavalry and cavalry armoured car regiment, brigade R.A., divisional R.E., " 24 light " company A.A. searchlight, R.E., battalion of infantry, battalion, R.T.R., headquarters divisional signals, and other units camping independently. *Drying tent.* 1 each section A.A. searchlight battalion, R.E., and each other unit camping independently and not entitled to a store tent. *Serjeants' messes* (*b*). 1 every 12 dining members and under. (*See* store tents.) *Technical stores.* 1 each regiment of cavalry, battery R.A., field squadron R.E., field company, R.E., " 24 light " company A.A. searchlight, R.E., Nos. 1 and 2 companies corps signals (mechanized), company divisional signals (mechanized), infantry battalion (mechanized), company R.T.R. 2 each cavalry armoured car regiment.

(*a*) Issues of C.D. in lieu at stations abroad, *see* para. **273.**
(*b*) Will not be drawn for less than " 24 light " companies A.A., R.E.

TABLE 1—*continued*

Designation.	Proportion.
Section J1—continued	
Tents, complete—*continued*	
Marquee, G.S., single —*continued*	*Technical stores and harness and saddlery.* 2 each infantry battalion with horsed transport. 1 for Nos. 1 and 2 companies corps signals (horsed) and each company divisional signals (horsed). *Harness and saddlery.* 1 each regiment of cavalry (horsed), and battery R.A. (horsed), field squadron, R.E. (When concentrated 1 each 2 batteries, R.A.) *Offices.* Divisional headquarters. A maximum of 13 tents, marquee, G.S., single, will be issued when the whole divisional headquarters staff is in camp. 2 each headquarters cavalry brigade, headquarters infantry brigade, headquarters brigade, R.T.R. *Orderly room.* 1 each regiment of cavalry, cavalry armoured car regiment brigade headquarters R.A., "24 light" company A.A. searchlight, R.E., headquarters corps and divisional signals, infantry battalion and battalion R.T.R. *Office and store.* 2 each survey section R.A., company R.A.S.C. 1 each section A.A. searchlight, R.E. *Band.* 1 each regiment of cavalry, cavalry armoured car regiment and infantry battalion. *Stores.* 1 each divisional headquarters. *Workshops.* 1 each headquarters divisional signals and No. 2 company corps signals. *Control rooms.* 1 each "24 light" company, A.A. searchlight, R.E.
Store	*Dining purposes.* For units whose actual strength of corporals and privates at camp is over 80, 1 every complete 120 men and 1 for the balance if over 80. (*See* Marquees.) *Drying tents.* 1 each regiment of cavalry, brigade of artillery, divisional R.E. divisional signals, battalion of infantry, battalion, R.T.R.

TABLE 1—*continued*

Designation.	Proportion.
Section J1—continued	
Tents, complete—*continued*	
Store—*continued*	*Serjeants' messes.* 1 for 13 dining members and over. (*See* Marquees.) *Quarter-master's stores.* 1 each regiment of cavalry, cavalry armoured car regiment, "24 light" company, A.A. searchlight, R.E., headquarters, divisional signals, battalion, R.T.R., infantry battalion. *Conference tents.* 1 each divisional headquarters.
Workshop shelter (*a*) ...	1 each regiment of cavalry, battery R.A. and battalion of infantry when mechanized, company R.T.R. 2 each cavalry armoured car regiment.
Tubs, washing, 3½-gal., Mk. II	1 each warrant officers, Class I, Class II and staff serjeant's tent. 12 every 100 other ranks.
Wedges, sawyers	2 each regiment of cavalry and cavalry armoured car regiment, battalion of infantry and R.T.R. 1 each divisional and brigade headquarters, battery, R.A., field squadron R.E., field company, R.E., company R. Signals, "24 light" company, A.A. searchlight, R.E., or other unit camping independently.
Section KA	
Blocks, chopping, small ...	1 each unit. 1 for "24 light" company, A.A. searchlight battalion R.E.
Chairs, G.S.	1 each office table.
Tables, barrack—	
4-ft.	*Offices.* 1 each C.S. tent. As required for marquees.
6-ft.	*Offices and orderly rooms.* As required for marquees.
	Quarter-masters' stores. 3 each store tent.
	Serjeants' messes. 2 each store tent. 1 each marquee.
	Dining purposes. 2 each store tent. 1 each marquee. 2 each cookhouse.

(*a*) Until these are available, marquees, G.S., single, will be issued in lieu.

TABLE 1—*continued*

Designation.	Proportion.
Section KC	
Blankets, brown, single (*a*)	2 each warrant officer, N.C.O., and man. An additional blanket for each other rank may be held in camp to admit of issue on the recommendation of the medical officer.
Stretchers, ambulance, Mk. II	1 each unit (except formation headquarters). In the case of dispersed A.A. searchlight, battalion, R.E., the scale will be 1 each company and 1 each section.
Section KE	
Brooms, birch (*b*)	1 every 50 all ranks. 1 every 25 animals.
Brushes, scrub, hand, union	1 each marquee, and 2 each store tent allowed for serjeants' mess. 2 each marquee and 4 each store tent allowed for dining purposes. 4 each cookhouse.
Brushes, scrub, hand, union, part worn (*c*)	1 every 10 latrine seats.
Lamps, hurricane ...	2 each guard tent. 1 every 6 latrine seats with a minimum of 2 each latrine. 1 every 70 men for night urine tubs. 1 every 20 horses with a minimum of 2 each horse line.
Machines, weighing, 28-lb., spring balance	1 each unit, if necessary, for issuing groceries in detail.
Scales, weighing, iron beam with triangle and sets of weights, 2½-cwt. ...	1 each camp.
Stones, rub, scythe (or rag) (*d*)	6 each regiment of cavalry and cavalry armoured car regiment, battalion of infantry and battalion R.T.R. 2 each other unit.
Section KF	
Basins, soup, steel, tinned	1 each warrant officer, N.C.O. and man.
Cans, 3-gal.	1 every 48 rank and file.

(*a*) The use of blankets for covering tables, partitioning tents, etc. is strictly forbidden.

(*b*) To be provided locally. A proportion of brooms, bass, may be issued when concrete floors to cookhouses, ablution and bath-rooms exist.

(*c*) Will be branded " L " and kept separate and not used for any other purpose.

(*d*) To be provided locally.

TABLE 1—*continued*

Designation.	Proportion.
Section KF—continued	
Dishes, meat, tin, large ...	1 every 50 men. In the case of dispersed A.A. searchlight battalion, R.E., the scale will be 2 each section headquarters, and 1 each detachment.
Forks, carving	1 every 25 men. In the case of dispersed A.A. searchlight battalion, R.E., the scale will be 1 each company headquarters, 2 each section headquarters and 1 each detachment.
Implements, butchers— Cases, wood, filled (*a*) ...	1 each unit. In the case of dispersed A.A. searchlight battalion, R.E., the scale will be 1 each company.
Knives, carving, fibre, handled	1 every 25 men. In the case of dispersed A.A. searchlight battalion, R.E., the scale will be 1 each company headquarters, 2 each section headquarters and 1 each detachment.
Pails, I.G., 3-gal.	1 every 2 tents, C.S., except isolated searchlight detachments where 1 each tent will be issued.
	Dining purposes. 2 each marquee. 4 each store tent.
	Serjeants' messes. 2 each store tent. 1 each marquee.
Plates, dinner, steel, tinned	1 each warrant officer, N.C.O. and man.
Safes, meat— Large	*Dining and serjeants' mess.* 1 each store tent.
Small	*Dining and serjeants' mess.* 1 each marquee.
Stoves, oil, Primus ...	As necessary for sterilization of drinking vessels.
Tubs, washing, 8-gal. ...	*Serjeants' messes.* 2 each store tent. 1 each marquee.
	Dining purposes. 4 each store tent. 2 each marquee.
N.I.V.	
Braziers	For drying tents. To be improvized locally as necessary.

(*a*) For detail of contents, *see* page 395.

TABLE 2.—SCALE OF CAMP EQUIPMENT FOR OFFICERS' MESS

Standing Camps Only

NOTE.—In the case of dispersed A.A. searchlight battalion, R.E., camp equipment for officers' messes will not be drawn for less than companies.

Designation.	Proportion.			Remarks.
	1 to 4 Members.	5 to 12 Members.	Over 12 Members.	
Section J1				
Stoves, Soyers ...	—	1	2	
Tents, complete, C.S., Mk. V ...	1	1	2	
Marquee, G.S., single ...	1	2	2	
Store	—	—	1	
Section KA				
Chairs, fold, flat ...	1 each officer and 2 additional for each mess.	1 each officer and 4 additional for each mess.	1 each officer and 6 additional for each mess.	
Tables, barrack—				
4-ft.	1	2	4	
6-ft.	1	1 every 4 members and 1 spare.	1 every 4 members and 2 spare.	
	2 each cookhouse.	2 each cookhouse.	2 each cookhouse.	
Section KE				
Brushes, scrub, hand, union ...	1	2	4	
Lamps, hurricane	5	6	1 every 6 officers and 4 each mess.	
Section KF				
Dishes, meat, tin, large	2	4	6	
Pails, I.G., 3-gal.	3	5	9	
Safes, meat, large	1	1	1	
Tubs, washing, 8-gal.	1	2	4	

TABLE 3.—CAMP RECEPTION STATION EQUIPMENT

Scales for hospitals of varying sizes up to 80 beds

NOTES.—1. When the sick are treated in buildings, the tents and other special camp articles will not be issued.

2. Cleaning and washing materials will be issued upon the written authority of the G.O.C.-in-C.

3. A "Standard measuring height" together with a "Machine, weighing, man" may be issued when certified by the D.D.M.S. to be necessary.

Designation.	Proportion.				
	Under 6 beds.	6–20 beds.	21–40 beds.	41–60 beds.	61–80 beds.
Section F					
Chisels, ripping	1	1	1	2	2
Hammers, claw, 24-oz. ...	1	1	1	2	2
Nail pullers	—	1	1	2	2
Section J1					
Axes, felling	1	1	1	2	2
Flags, distinguishing—					
H.P.	1	1	1	1	1
Poles, 16-ft.	1	1	1	1	1
Crossbars	1	1	1	1	1
Forms, D.T., Mk. II	2	2 every six beds			
Kettles, camp, oval, 12-qt. ...	1	1 every six beds			
Lamps, operating, Field Ambulance	1	1	1	1	2
Latrines—					
Scoops (*a*)	1	as necessary			
Screens, Mk. III	2	as necessary			
Panniers—					
G.S. (*b*)	3	as necessary			
Medical comforts (*c*) ...	1	1	1	1	1
Sheets, ground, Mk. VIII ...	2	3	5	8	10
Shovels, G.S.	1	1	1	2	2
Stools, camp, Mk. IV	1	1	1	2	3
Stoves, Soyers (*d*)	1	1	2	3	4
Tables—					
Camp, Mk. III	1	2	3	4	5
Portable F.S. or Trestle ...	1	1 every 6 beds			
Tents—					
C.S., Mk. V (*f*)	1	2	3	4	4
Marquee, H.P., extending ...	2 ends	(*g*)	(*g*)	(*g*)	(*g*)
Canvas bottoms ... set	as required				
R.D. (*e*)	1	1	1	2	2

TABLE 3—*continued*

Designation.	Proportion. Under 6 beds.	6–20 beds.	21–40 beds.	41–60 beds.	61–80 beds.
Section KA					
Boards, bedhead	1 each bed				
Chairs, G.S.	1 every 3 beds				
Forms, barrack, 4-ft.	2	2 every 6 beds			
Sponges, bath	1	2	4	6	8
Tables—					
Barrack, 4-ft.	1 every 6 beds (minimum 2)				
Bedside	1 each bed				
Warmers, stomach	1	1 every 6 beds			
Wash-hand stands, iron frame	1	1 every 6 beds			
Section KB					
Bedsteads—					
Folding, Mk. III	1 each bed				
Mattresses, spring	1 each bed				
Section KC					
Blankets, brown, single	4 each bed				
Bolsters, hospital	1 each bed				
Cloths—					
Distinctive	2	1 every 3 beds			
Table	2	4 every 3 beds			
Tea	6	6	12	18	24
Mattresses, hospital, Mk. II	1 each bed				
Pillows—					
Feather	2	3 every 6 beds			
Hair, large	1 each bed				
,, ,, cases	2 each bed				
Sheets, hospital	4 every bed				
Stretchers, ambulance, Mk. II	1	2	4	6	8
Towels—					
Hand, coarse	3 every bed				
Roller	3	3 every 6 beds			
Section KD					
Basins, earthen, sores	1 each bed				
Inhalers, Mk. III	1	1	2	3	4
Urinals, glass, plain	2	5	8	10	12
Section KE					
Boxes, dressing	1	2	3	5	6
Brooms, bass—					
G.S.	1	2	3	5	6
Handles	1	2	3	5	6
Brushes, scrub, hand, union	2	3	5	8	10
Lamps, hurricane	6	10	15	25	40
Section KF					
Basins—					
Enamelled, soup	1 each bed				
Washing, steel, 14-in.	4	4	6	8	10

TABLE 3—*continued*

Designation.	Proportion. Under 6 beds.	6–20 beds.	21–40 beds.	41–60 beds.	61–80 beds.
Section KF—continued					
Bins, ash	1	1	2	3	4
Buckets, 13-in.	2	3	5	8	10
Cans—					
3-gallon	1	2	3	4	5
,, lids	1	2	3	4	5
Oil, 5½-pts.	2	2	3	4	5
Castors, pepper, enamelled	1 every 6 beds				
Chairs, night, arm	1	2	3	4	5
Cups, spitting, enamelled	1	3	5	7	8
Ewers, 3-qt.	1 every 6 beds				
Feeders, enamelled	1	3	5	8	10
Kettles, enamelled	1	2	3	4	5
Ladles, cooks, F.A.	1	1	2	3	4
Pannikins	10	30	50	80	100
Pans, bed	2	1 every 6 beds (minimum 2)			
Plates, dinner	2 each bed				
Pots—					
Chamber, enamelled	4	6	10	20	30
Mustard, enamelled	1	1 every 6 beds			
Tea, enamelled	1 every 6 beds (minimum 2)				
Salt-cellars, stainless steel	1	1 every 6 beds			
Saucepans, F.A., nest of eight	nest	1	1	1	2	2
Scissors—					
Haircutting (*h*)	1	1	1	2	2
Lamp (*h*)	1	1	1	2	2
Stoves, oil, wickless, No. 5	1	2	3	4	5
Tubs, washing, 8-gal.	1	2	3	5	6
Section KG					
Buckets, fire	4 each marquee				
Pumps, fire, hand (*i*)	4 each marquee				
N.I.V.					
Paper, latrine (*j*)					
Clothing vocabulary items					
Section CC					
Forks	1 each bed				
Knives, table	1 each bed				
Spoons	1 each bed				
Section CG					
Jackets, pyjama, hospital	1 each bed				
Trousers, pyjama, hospital pr.	1 each bed				

TABLE 3—*continued*

Designation.	Proportion.				
	Under 6 beds.	6–20 beds.	21–40 beds.	41–60 beds.	61–80 beds.
Medical Equipment *					
Boxes, camp, medicine pr.	1	1	1	1	1
Panniers, field, fracture ...	1	1	1	1	1
H.M.S.O. supply					
Army Book—					
27. (Admission and Discharge Book) (*k*)	1	1	1	1	1
39. (Diary or Ward Book) (*k*)	1	2	3	4	5

* Additional medical equipment considered necessary for camp reception stations shown in columns 3, 4, 5 and 6 should be demanded through the D.D.M.S. of the command in which the training camp is situated.

(*a*) Each latrine.

(*b*) The panniers are not issued "filled," but certain stores taken from those allowed by this table will be packed in them as shown on page 387.

(*c*) To be demanded from the O.C. the central hospital from which medical comforts will be drawn; this officer will obtain empty panniers, as required, from the R.A.O.C. and will hold them on charge in his medical store account until they are returned to the R.A.O.C.

(*d*) If coal is used.

(*e*) For dispensary.

(*f*) For personnel.

(*g*) 2 ends plus 1 section for 8 beds, 1 section for every 4 additional beds up to a maximum of 5 sections.

(*h*) To be provided locally.

(*i*) 1 each alternate H.P. marquee for use as first aid fire appliances. 1 additional may be issued if considered necessary by G.O.C. Where hydrants are available, the scale of fire appliances may be reduced so far as is considered necessary by the local fire committee.

(*j*) *See* Allowance Regulations.

(*k*) To be demanded from the Army Forms Depot.

TABLE 3—*continued*

The undermentioned stores, taken from those detailed in the foregoing table, will be packed in the G.S. panniers as shown below :—

Designation.	No.	Carried in.
Casters, pepper, enamelled	1	
Feeders, enamelled	1	1st Pannier.
Forks	6	
Kettles, enamelled	1	
Knives, table	6	
Ladles, cooks, F.A.	1	
Pannikins	10	
Plates, dinner, steel, tinned	6	
Pots, mustard, enamelled	1	
,, tea, enamelled	2	
Salt cellars, stainless steel	1	
Saucepans, F.A. ... ... nests	1	
Spoons	6	
Basins, enamelled, sores	3	2nd Pannier.
,, earthen, sores	4	
Cloths, table	2	
,, tea	2	
Pans, bed, enamelled	2	
Paper, latrine	—	
Scissors, haircutting (*a*) ... ... pr.	2	
Towels, hand, coarse	24	
,, roller	6	
Warmers, stomach	1	
Brushes, scrub, hand, union	1	3rd Pannier.
Cans, oil, 5½-pint	1	
Chisels, ripping	1	
Cloths, bed-pan	2	
,, distinctive	2	
Cups, spitting, enamelled	1	
Hammers, claw, 24-oz.	1	
Lamps, hurricane	6	
Pots, chamber, enamelled	4	
Scissors, lamp (*a*) ... ... pr.	1	
Stoves, oil, "Primus," No. 5	1	
Urinals, glass, plain	1	

(*a*) To be provided locally.

TABLE 4.—SCALE OF CAMP

Designation.	All Units.	Headquarters Units.	Cavalry.
Section A1			
Bags, letter	—	1 each unit.	—
Section D1			
Chains, collar, P.G.S. ...	1 each mule not already equipped with a chain as part of peace equipment.	—	—
Section E1			
Carts, water	—	1 each unit.	2 each regiment; 1 each detached squadron.
Covers, clarifying reel, apparatus, filtering.	—	2 each unit.	4 each regiment; 2 each detached squadron.
Section F			
Anvils, 1¼-cwt.... ...	—	—	—
,, blocks, 1¼-cwt.	—	—	—
Forges, field, heavy (*a*)	—	—	—
Hammers, sledge, straight pane, 14-lb.	—	1 each unit.	2 each regiment; 1 each detached squadron.
Section H2			
Cordage, hemp, hawser, 3-strand, tarred, 2½-in.	—	—	—
Section J1			
Axes, felling	—	1 each unit.	1 each H.Q.; 1 each squadron.
,, hand	—	1 each unit.	1 each H.Q.; 1 each squadron.
Axes, pick, heads / 4½-lb. helves ...	—	1 each unit.	1 each H.Q.; 1 each squadron.
Boxes, stationery, field (*b*)	1 each unit.	—	—
Buckets, water, canvas, Mk. V.	1 every two animals, and 1 each horse-drawn hired vehicle.	—	—
Chairs, camp	—	1 each general officer.	—
Covers, saddle	1 each animal.	—	—
Flags, distinguishing ...	As required.	—	—

EQUIPMENT FOR MANŒUVRES

Royal Artillery.	R.E., R. Signals, H.Q. of battalions and companies, R.T.R.	Infantry.	R.A.S.C.	R.A.M.C.
—	—	—	—	—
—	—	—	—	—
1 each unit.	1 each unit.	2 each unit.	1 each unit.	1 each unit.
2 each unit.	2 each unit.	4 each unit.	2 each unit.	2 each unit.
1 each forge, field, heavy.	—	—	1 each forge, field, heavy.	—
1 each forge, field, heavy.	—	—	1 each forge, field, heavy.	—
1 each brigade H.Q.; 1 each detached battery.	—	—	1 each unit.	—
1 each unit.	1 each unit.	2 each unit.	1 each unit.	1 each unit.
As necessary for medium batteries.	—	—	—	—
2 each unit.	2 each unit.	1 each H.Q. and 1 each Company.	2 each unit.	2 each unit.
—	2 each unit.	1 each H.Q. and 1 each Company.	—	2 each unit.
2 each unit.	2 each unit.	1 each H.Q. and 1 each Company.	2 each unit.	2 each unit.
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

TABLE 4—

continued

Designation.	All Units.	Headquarters Units.	Cavalry.	R.A.	R.E., R. Signals, H.Q. of battalions and Companies, R.T.R.	Infantry.	R.A.S.C.	R.A.M.C.
Section J1—continued								
Kettles, camp, Mk. III	1 every 16 warrant officers, N.C.Os. and men, with 50 per cent. additional, if specially ordered (*c*) (*d*).	—	—	—	—	1 every 3 officers and 1 each vehicle with R.A.S.C. transport (*e*).	—	—
Latrines, screens, Mk. III	1 for officers, 1 for warrant officers and N.C.Os., and 1 each squadron or company, except infantry.	—	—	—	—	1 for officers ; 1 for warrant officers and N.C.Os.; and 2 for each company.	—	—
Mallets, heel peg ...	1 every 8 animals or less (*f*).	—	—	—	—	—	—	—
Mauls, heads, Mk. V ,, helves, Mk. II	1 every 50 animals.	—	—	—	—	—	—	—
Pegs, picketing, Mk. II	1 each heel rope, 1 each 4 ft. 9-in. picketing rope, and 25 per cent. spare.	—	—	—	—	—	—	—
Pins, picketing	1 each mule.	—	—	—	—	—	—	—
Posts, picketing, 2½-ft., Mk. V.	1 every 10 animals. To increase stability of built-up rope.	—	—	—	—	—	—	—
Racks, arm	1 each warrant officer, N.C.O. and men's tent, except medical units.	—	—	—	—	—	—	—
Ropes, head, hemp, tarred (*g*) (*n*).	1 each animal and 10 per cent. spare.	—	—	—	—	—	—	—
Ropes, heel, small ...	1 each animal and 20 per cent. spare.	—	—	—	—	—	—	—
Ropes, picketing, 4-ft. 9-in.	1 each animal and 10 per cent. spare. Not for R.H. and F.A. batteries, medium batteries, R.E. units which have horsed transport, and units of the R. Signals, whose requirements will be met from peace equipments.	—	—	—	—	—	—	—

TABLE 4—*continued*

Designation.	All Units.	Headquarters Units.	Cavalry.	R.A.	R.E., R. Signals, H.Q. bat, talions and companies, R.T.R.	Infantry.	R.A.S.C.	R.A.M.C.
Section J1—continued								
Rugs, horse (*h*)	1 each public animal.	—	—	—	—	—	—	—
Sheets, ground	1 each warrant officer, N.C.O. and man.	—	—	—	—	—	—	—
Shovels, G.S. (*i*) ...	—	1 each unit.	2 each H.Q.; 2 each squadron.	1 each unit.	2 each unit.	1 each H.Q. and 1 each company.	2 each unit.	2 each unit.
Spades, Mk. III ...	—	1 each unit.	2 each H.Q.; 2 each squadron.	1 each unit.	2 each unit.	1 each H.Q. and 1 each company.	2 each unit.	2 each unit.
Stools, camp, Mk. IV ...	—	1 each office.	1 each office.	—	—	1 each office.	—	—
Tables, camp, Mk. III	—	1 each G.O.C. (personal use); 1 each office tent (excluding marquee).	1 each office.	—	—	1 each office.	—	—
Tables, portable, F.S. (*j*)	—	2 every H.Q. office marquee.	—	—	—	—	—	—
Tents, complete— C.D.	—	1 each general officer.	—	—	—	—	—	—
C.S. (*k*)	—	1 each field officer; 1 every 2 other officers; and 1 every 6 other ranks (to include the tents required for guards and offices).	1 each C.O. regiment; 1 each M.O. (to be used also as inspection tent); 1 every 3 other officers; 2 for guard for each regiment, 1 for guard for each detached squadron; 1 for office for each regiment; 1 every 12 warrant officers, N.C.Os. and men.	1 each C.O. Brigade; 1 every 3 officers; 1 every 12 other ranks.	1 every 3 officers; 1 every 12 other ranks.	1 each C.O. battalion; 1 each M.O. (to be used also as an inspection tent); 1 every 3 other officers; 1 for guard for each battalion; 1 for office for each battalion; 1 every 12 warrant officers, N.C.Os. and men.	1 every 3 officers; 1 every 12 other ranks.	1 every 3 officers; 1 every 12 other ranks.
Tents, complete, marquee, G.S., single.	—	1 for officers' mess if required; 1 each H.Q. office.	—	—	—	—	—	—
Wedges, sawyers ...	—	2 each unit.	4 each regiment; 2 each detached squadron.	2 each unit.	2 each unit.	4 each unit.	2 each unit.	2 each unit.
Section KC								
Blankets, brown, single	1 each warrant officer, N.C.O. and man (*l*).	—	—	—	—	—	—	—

TABLE 4—

Designation.	All Units.	Headquarters Units.	Cavalry.
Section KE			
Brooms, bass—			
Handles }	—	1 every 25 animals or less.	1 every 25 animals.
Heads }			
Lamps, hurricane ...	—	1 each office and 1 each unit.	3 each H.Q.; 3 each squadron.
Section KF			
Implements, butchers—			
Cases, wood, filled (*m*)	1 each unit.	—	—
Pails, I.G., 3-gal. (or buckets, canvas).	1 each warrant officer, N.C.O. and man's tent.	—	—

(*a*) When stocks of forges, field, G.S., are exhausted.
(*b*) Stationery will be provided by the units concerned.
(*c*) Required if cooks are sent on over-night to next camping ground.
(*d*) Except for battalions of infantry in possession of travelling kitchens (*see* column 7).
(*e*) For battalions in possession of travelling kitchens.
(*f*) Officers' horses not picketed with public horses to be calculated separately. Axes, hand, in lieu of mallets, for mules.
(*g*) Collar chains for mules, *see* Section D1 (p. 388).
(*h*) Rugs, allowed under para. **303,** if in possession, will be taken.
(*i*) Royal Engineers receive Spades, Mk. III, in lieu.
(*j*) Or Tables, trestle, 6-ft.
(*k*) Tents to be calculated separately for headquarters, squadrons, batteries, companies, etc.; any fraction of 12 to count as 12. A warrant officer, Class I, to count as 3 men; other N.C.Os. above the rank of corporal to count as 2 men. If cooks are sent on over-night to next camping ground, extra tents should be allowed for their use.
(*l*) A second blanket for each man will be stored in ordnance depots in the manœuvre area, ready for issue if specially ordered.

continued

R.A.	R.E., R. Signals, H.Q. battalions and companies, R.T.R.	Infantry.	R.A.S.C.	R.A.M.C.
1 every 25 animals.	1 every 25 animals.	1 each H.Q. and 2 each company.	1 every 25 animals.	2 each unit.
2 each unit.	2 each unit.	2 each unit.	2 each unit.	2 each unit.
—	—	—	—	—
—	—	—	—	—

(*m*) Detail as follows :—

Section F	
Saws, tenon, 14-in.	1
Section KF	
Balances, spring, 4-lb.	1
Choppers, meat, butchers	1
Hooks, butchers, 9-in.	6
Implements, butchers—	
Cases, wood, empty	1
Sheets, ground, unserviceable	1
Knives, butchers, cutting	1
,, ,, flaying	1
Steels	1
Steelyards, 56-lb.	1

(*n*) Ropes, head, hemp, Mk. IV, will be issued until tarred ropes become available.

TABLE 5.—SCALE OF EQUIPMENT FOR MESSES ON MANŒUVRES

I. Large Mess

Designation.	Proportion.
Section J1	
Latrines, screens, Mk. III	1
Shovels, G.S.	1
Tables, portable, F.S. (*a*)	1 every 6 officers and 2 spare.
Tents, complete C.S.	1
Tents, complete marquee, G.S., single (*b*)	1
Section KE	
Lamps, hurricane	1 every 6 officers and 4 each mess.

II. Small Mess

Designation.	Proportion.
Section J1	
Tables, portable, F.S.	1
Tents, complete, C.S.	1
Section KE	
Lamps, hurricane	2

(*a*) Or Tables, trestle, 6-ft.

(*b*) If more than 24 officers are encamped an additional marquee may be issued.

TABLE 6.—SCALE OF EQUIPMENT FOR REGIMENTAL INSTITUTE ON MANŒUVRES

I. Full Canteen

Designation.	No.	Remarks.
Section J1		
Tables, portable, F.S. (*a*)	2	(*a*) Or Tables, trestle, 6-ft.
Tents, complete, marquee, G.S., single	1	
Section KE		
Lamps, hurricane	3	
Machines, weighing, 28-lb., spring balance	1	
Section KF		
Pails, I.G., 3 or 4-gal.	2	

II. Half Canteen

Section J1		
Tables, portable, F.S.	1	
Tents, complete, marquee, G.S., single	1	
Section KE		
Lamps, hurricane	2	
Machines, weighing, 28-lb., spring balance	1	
Section KF		
Pails, I.G., 3 or 4-gal.	1	

APPENDIX 27

(*Referred to in para.* 298)

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carts.									Wagons.								Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Water. Mk. V*.	Water. Mk. V**.	Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
	A.—Not demanded or accounted for separately.																		
	COMPONENTS.																		
E1	**Adapters,** pump	—	—	—	—	—	—	—	—	—	2	2	2						
E1	**Aprons,** ambulance wagon ...	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	
	Arms, brake—																		
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—						
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—						
E1	**Axles,** wheel, special, No. 94 ...	2	—	—	—	—	—	—	—	—	—	—	—						
	Axletrees—																		
	2nd class " A "—																		
E1	No. 119	—	—	—	—	—	—	—	—	—	—	—	—						
	2nd class " C "—																		
E1	No. 137	—	1	—	—	—	—	—	—	—	—	—	—						
E1	No. 139	—	—	—	—	—	—	—	—	—	1	1	1						
E1	No. 141	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	
E1	No. 142	—	—	—	—	—	—	—	—	—	—	—	—						
E1	No. 200	—	—	—	—	—	—	—	—	—	—	—	—				1	1	
E1	No. 210	—	—	—	—	—	—	—	—	—	—	—	—						
M3	No. 250A	—	—	—	—	—	—	—	—	—	—	—	—						
	3rd class " A "—																		
E1	No. 145	—	—	1	—	—	—	—	—	—	—	—	—				1	1	
	3rd class, " B "—																		
E1	No. 155	—	—	—	—	—	—	—	—	—	—	—	—						
E1	No. 157	—	—	—	1	1	—	—	—	—	—	—	—						
E1	No. 158	—	—	—	—	—	—	—	1	1	—	—	—						
E1	No. 170	—	—	—	—	—	—	—	—	—	—	—	—						
E1	No. 174	—	—	—	—	—	—	—	—	—	—	—	—						
E1	No. 216	—	—	—	—	—	—	—	—	—	—	—	—						
E1	No. 217	—	—	—	—	—	—	1	—	—	—	—	—						
E1	No. 218	—	—	—	—	—	1	—	—	—	—	—	—						
	Trade pattern	—	—	—	—	—	—	—	—	—	—	—	—						
E1	**Backrails,** drivers seat	—	—	—	—	—	—	—	—	—	—	—	—			1			
E1	**Backrests,** centre seat	—	—	—	—	—	—	—	—	—	—	—	—						
E1	**Bags,** tool	1	—	—	—	—	—	—	—	—	—	—	—						

Section No.	Designation.	Wagons. Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
1	2	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.										
	COMPONENTS.										
E1	**Adapters,** pump	—	—	—	—	—	—	—	—	—	
E1	**Aprons,** ambulance wagon ...	1	1	—	—	—	—	—	—	—	† These vehicles, when converted to shaft draft (*see* L. of C., para. **A4204**), will continue to be held on charge as " Wagons, limbered, G.S.", the stores required for conversion being accounted for separately.
	Arms, brake—										
E1	Near	—	1	1	—	—	—	—	—	—	
E1	Off	—	1	1	—	—	—	—	—	—	
E1	**Axles,** wheel, special, No. 94 ...	—	—	—	—	—	—	—	—	—	
	Axletrees—										
	2nd class " A "—										
E1	No. 119	—	—	—	—	—	—	—	2	2	
	2nd class " C "—										
E1	No. 137	—	—	—	—	—	—	—	—	—	
E1	No. 139	—	—	—	—	—	—	—	—	—	
E1	No. 141	—	—	—	—	—	1	1	—	—	
E1	No. 142	—	—	—	—	—	—	—	—	—	
E1	No. 200	—	—	—	1	1	—	—	—	—	
E1	No. 210	—	1	—	—	—	—	—	—	—	
M3	No. 250A	—	—	—	—	—	—	—	—	—	
	3rd class " A "—										
E1	No. 145	—	1	—	—	—	—	—	—	—	
	3rd class, " B "—										
E1	No. 155	—	—	—	—	—	—	—	—	—	
E1	No. 157	—	1	—	—	—	—	—	—	—	
E1	No. 158	—	—	—	—	—	—	—	—	—	
E1	No. 170	2	—	—	—	—	—	—	—	—	
E1	No. 174	—	—	—	1	1	—	—	—	—	
E1	No. 216	—	—	1	—	—	—	—	—	—	
E1	No. 217	—	—	1	—	—	—	—	—	—	
E1	No. 218	—	—	—	—	—	—	—	—	—	
	Trade pattern	—	—	—	—	—	—	—	—	—	
E1	**Backrails,** drivers seat	—	—	—	—	—	—	—	—	—	
E1	**Backrests,** centre seat	—	—	1	—	—	—	—	—	—	
E1	**Bags,** tool	—	1	—	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E., and R. Signals Vehicles, *see*

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Bands—																											
E1	Perch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Saddle, tank	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
	Securing—																											
E1	Clarifying cylinder ...	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Front	—	—	—	—	—	—	—	—	—	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Tank	—	—	—	—	—	—	—	—	—	2	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	
	Bars—																											
E1	Brake	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	1	1	—	—	—	—	
	Cross—																											
E1	Centre	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
E1	Nib socket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
E1	Pole	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
E1	Draught	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Guide	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Horse	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Locking—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Securing—																											
E1	Spare wheel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Water tank	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Splinter	—	1	—	1	1	—	—	1	1	1	1	1	1	1	—	—	—	1	1	1	—	—	—	—	1	1	
M3	Supporting draught pole, No. 3	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	1	1	—	—	1	—	—	1	—	—	—	
E1	Suspending tackle	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Sweep	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	**Bearers,** boiler	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Bearings, spindle brake—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	**Beds,** axletree	—	—	1	1	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Fore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Hind	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	

† *See* note on page 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E., and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Water Tank. Mk. V*.	Water Tank. Mk. V**.	Water Tank. Mk. VI.	Water Tank. Mk. VI*.	Water Tank. Mk. VII.	Watering, special, Mk. I.	Wagons. Kitchen, travelling. Mk. I.	Wagons. Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered G.S.† Fore. Mk. I.	Wagons. Limbered G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Blocks—																											
	Bearing, brake shaft—																											
E1	Centre	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Side	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	
	Brake—																											
M3	Field and transport ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Wagons, ambulance ...	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	2	2	—	—	—	2	2	—	2	—	—	
E1	Supporting—																											
	Clarifying cylinders ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	2	—	—	—	—	—	—	
E1	Spring	—	—	—	—	—	—	—	—	—	4	4	4	4	4	—	—	—	—	—	—	—	—	—	—	—	—	
	Boards—																					2	2	—	—	—	—	
E1	Foot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	—	—	—	—	
E1	Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
E1	Seat	—	—	1	1	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Tail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Boilers—			—	1	1	1	1	1	1	—	—	—	—	—	—	—	—	1	1	1	1	1	1	1	—	—	
E1	With tap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Without tap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	8	—	—	—	—	—	—	—	—	—	
	Bolts—																											
E1	Clamping chimney	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Connecting brake arms ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Countersunk head, square, $\frac{1}{2}$-in. × $5\frac{1}{2}$-in. (*a*)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	
E1	Cylinder cover	—	—	—	—	—	—	—	—	—	12	12	12	12	12	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Eye, locking rope, front ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	—	—	—	—	—	—	
E1	Lamp bracket, inside ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	8	—	—	—	—	
E1	Securing sides	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	8	—	—	—	—	
E1	Side standards	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Shaft	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Tie	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Bolsters—								2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Body—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	

† *See* note on page 399.

(*a*) For brake gear.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carts.									Water			Tank.			Kitchen, travelling.		Wagons.								Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	Mk. VI*.	Mk. VII.	Watering, special, Mk. I.	Mk. I.	Mk. II.	Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered G.S.† Fore. Mk. I.	Limbered G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											† *See* note on p. 399.
	COMPONENTS—continued																											
	Bolsters—*continued*																											
	Body—*continued*																											
E1	Intermediate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	—	—	—	—	
E1	Lower	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Upper	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
	Undercarriage—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Locking bar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Locking, bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Locking top	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Boxes—																											
E1	Grease, 3-lb.	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	—	—	
E1	Rubber packings	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Salt	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Store	—	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Sugar	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	2	2	—	—	1	—	—	—	—	—	—	
E1	Surgical appliances	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Tea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	1	—	—	
E1	**Brackets**— Bolt, clamping chimney ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Brake—																											
E1	Handle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
	Screws—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Shaft	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
	Carrying—																											
E1	Hood, roof	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	Spare wheel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Connecting rod, brake ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	
E1	Draught pins	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Section No.	Designation.	Number for each vehicle.																				Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.									Water Tank.			Wagons.							
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.						Kitchen, travelling.		Ambulance.		G.S.	Limbered, G.S.†			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI*.	Mk. VII.	Watering, special, Mk. I.	Mk. I.	Mk. II.	Mk. V**.	Mk. VI	Light, Mk. I.	Mk. X.	Mk. X*.	Fore. Mk. I.	Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued.																											
	Brackets—*continued*																											
	Fixing pump—																											
E1	Left	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Right	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	1	—	—	—	—	—	—	—	—	
E1	Hand lever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Front, brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Hinge stay, rear lid ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	
E1	Housing drag shoe	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Lamp—																											
E1	Outside	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	
	Vehicle—																											
E1	Inside	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	—	—	—	—	—	—	
E1	Outside, front	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	
	Lampholders—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	1	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	1	—	—	—	
E1	Lever, connecting, brake ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	No. 41 limber hook	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
	Pivoting brake arm—																											
	Body—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Brake—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Pole spring—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Quick release strap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Rear lamp—																											
E1	No. 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	
E1	No. 2	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 3	—	1	—	1	1	—	1	1	1	1	1	1	—	—	—	—	—	1	1	1	1	1	—	1	—	—	
E1	No. 4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Rear prop—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.											Wagons.								Remarks.
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.	Water			Tank.			Kitchen, travelling.		Ambulance.		G.S.	Limbered, G.S.†				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI*.	Mk. VII.	Watering, special, Mk. I.	Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. X.	Mk. X*.	Fore. Mk. I.	Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											† *See* note on p. 399.
	Brackets—*continued*																											
	Rear prop—*continued*																											
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Roof standard body	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	(*a*) Not for carts fitted with Mk. II store box.
	Socket stay—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
	Stay, fuel box—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Stop, stay, rear lid	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Supporting—																											
	Brake bar	—	—	—	—	—	—	—	—	—	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Spare pole—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
	Spring—																											
E1	Front	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Stays, brake—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Suspending drag shoe ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Tread plate, upper step ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
	Carriers, dust excluder—																											
E1	2nd class axletree, No. 1 ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	
E1	3rd class axletree, No. 1 ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	
	Cases—																											
E1	Cleaver and saw	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Small store box (*a*)	—	—	—	—	—	—	—	—	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Tool	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Casings,** hose strainer apparatus filtering	—	—	—	—	—	—	—	—	—	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water Mk. V*.	Carts. Water Mk. V**.	Carts. Water Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	A.—Not demanded or accounted for separately.												
	COMPONENTS—continued												
	Catches—												
E1	Firebox door	—	—	—	—	—	—	—	—	—	—	—	—
	Limbers and Wagons—												
M3	No. 3	—	—	—	—	—	—	—	—	—	—	—	—
M3	No. 4	—	—	—	—	—	—	—	—	—	—	—	—
E1	Securing tank	—	—	—	—	—	—	—	—	—	—	—	—
	Chains—												
E1	Bar, securing water tank ...	—	—	—	—	—	—	—	—	—	—	—	—
E1	Draught	—	—	—	2	2	—	—	—	—	—	—	—
E1	Draught pole, No. 2	—	—	—	—	—	—	—	—	—	—	—	—
E1	Tailboard	—	—	—	—	—	2	2	—	—	—	—	—
E1	**Chimneys**	—	—	—	—	—	—	—	—	—	—	—	—
	Clips—												
E1	Axletree	—	—	—	—	—	—	—	2	2	2	2	2
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
	Brake shaft—												
E1	Centre	—	—	—	—	—	—	—	—	—	—	—	—
E1	Side	—	—	—	—	—	—	—	—	—	—	—	—
E1	Draught, spring	—	—	—	—	—	—	—	—	—	—	—	—
E1	Hose, 1-in.	—	—	—	—	—	—	—	—	—	2	2	2
	Rifle, vehicles—												
E1	No. 1	—	—	—	—	1	1	1	—	—	—	—	—
E1	No. 2	—	—	—	—	1	1	1	—	—	—	—	—
	Securing—												
E1	Pump	2	—	—	—	—	—	—	—	—	—	—	—
E1	Rake	—	—	—	—	—	—	—	—	—	—	—	—
E1	Stretcher	4	—	—	—	—	—	—	—	—	—	—	—
E1	**Cooks,** stop	—	—	—	—	—	—	—	—	—	1	1	1

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	
														† *See* note on p. 399.
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	2	—	—	—	—	—	—	
—	—	—	—	—	1	1	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	2	2	2	2	2	—	—	2	2	
—	—	—	—	—	—	—	—	2	2	2	2	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
2	2	—	—	—	2	—	—	4	4	—	—	—	—	
—	—	—	—	—	—	1	—	—	—	—	—	—	—	
—	—	—	—	—	—	1	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	1	—	—	—	—	—	—	
—	—	—	—	—	—	—	2	—	—	—	—	—	—	
2	2	—	—	—	2	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	3	3	—	—	—	—	
—	—	—	—	—	—	—	—	3	3	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Tank. Watering, special, Mk. I.	Wagons. Kitchen, travelling. Mk. I.	Wagons. Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Collars—																											
	Adjusting—																											
E1	2nd class "C" capped wheels	—	2	—	—	—	—	—	—	—	2	2	2	2	2	—	4	4	—	2	—	2	2	2	2	—	—	
E1	3rd class "B" capped wheels	—	—	—	2	2	2	2	2	2	—	—	—	—	—	—	—	—	2	2	4	2	2	—	—	—	—	
E1	Distance, brake screw ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	**Cones,** chimney base	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	**Connections,** hose outlet ...	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Cotters,** firebox	—	—	—	—	—	—	—	—	—	2	2	2	—	—	—	4	4	—	—	—	—	—	—	—	—	—	
E1	**Couplings,** wire rope	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Covers—																											
E1	Cart, officers mess	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Tank lid	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Thigh splints	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Wagon, ambulance, light ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	**Cups,** drinking, carts, water ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	**Curtains,** Mk. VI, ambulance wagon (set of 8) ... set	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
	Cushions—																											
E1	Driver's seat	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Wagon—																											
E1	Ambulance, light	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Mks. V**, ambulance ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
	Mk. VI, ambulance—																											
E1	Large	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	Small	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	**Cylinders,** Mk. II	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	**Dishes,** baking	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
	Doors—																											
E1	Ashpit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
	Cart, ambulance, horse—																											
E1	Left	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Right	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Centre oven	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Firebox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
																	1	1	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Wagons. Kitchen, travelling. Mk. I.	Wagons. Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Doors—*continued*																											
	Fuel box—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Locker	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	1	—	—	—	—	
	Comforts—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
	Dressing—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Driver's seat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
	Front—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
	Side—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Surgical applicances ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Side oven	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
	Excluders, dust—																											
E1	2nd class axletree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	
E1	3rd class axletree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	
	Earbeds—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	
	Eyes, perch—																											
E1	No. 16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1(*a*)	—	—	
E1	No. 19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	No. 22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1(*b*)	—	—	
E1	**Eyelets,** turnbutton, cover ...	—	—	—	—	—	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Ferrules—																											
E1	Bend, hose delivery	—	—	—	—	—	—	—	—	—	4	4	4	4	4	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Hose, draw-off pipe	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
	¾-in. hose—																											
E1	Plug	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

(*a*) For wood perches.
(*b*) For steel perches.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E., and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											† *See* note on p. 399.
	Ferrules—*continued*																											
	¾-in. hose—*continued*																											
E1	Union	—	—	—	—	—	—	—	—	—	5	5	5	5	5	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Fireboxes**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Flanges, axletree—																											
E1	Inner	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
	Outer—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	1	—	—	
E1	**Flaps**, water buckets	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Floats**, hose strainer	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	2	2	—	—	—	—	
E1	**Futchels**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	
E1	**Girths**, cart	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	**Gratings**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	**Guards**, wire rope	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Guides—																											
E1	Lever, connecting brake ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Wire rope	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Handles—																											
E1	Box lids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	—	—	—	—	—	—	—	
	Brake—																											
E1	No. 1	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	1	1	—	—	—	—	
E1	No. 6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	1	—	—	
	Rear lid—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Hasps—																											
E1	Box, store	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Locker	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Driver's seat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	
E1	Small stores	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
	Hinges—																											
E1	Ashpit door	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Chimney	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Firebox door	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Fuel box door	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	A.—Not demanded or accounted for separately.												
	COMPONENTS—continued												
	Hinges—*continued*												
E1	Lid, tank	—	—	—	—	—	—	—	—	—	2	2	2
E1	Locker	—	—	—	—	—	—	2	—	—	—	—	—
E1	Driver's seat	—	—	—	—	—	—	—	—	—	—	—	—
E1	Lower lid, box, store ...	—	—	—	—	—	—	—	—	—	2	2	2
E1	Upper lid, box, store ...	—	—	—	—	—	—	—	—	—	2	2	2
E1	**Holdall,** small stores	—	—	—	—	—	—	—	—	—	—	—	—
	Holders—												
	Rifle—												
	Front—												
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
	Rear—												
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
E1	Roof standard	—	—	—	—	—	—	—	—	—	—	—	—
E1	**Hoods**	—	—	—	—	—	—	—	—	—	—	—	—
	Hooks—												
E1	Crutch	—	—	—	—	—	—	—	1	—	—	—	—
E1	Draught	—	—	—	—	—	—	—	—	3	2	2	2
E1	Near	—	—	—	—	—	—	—	—	1	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
E1	Drinking cup	—	—	—	—	—	—	—	—	—	1	1	1
E1	Housing drag shoe	—	—	—	—	—	—	—	—	—	—	—	—
E1	Joint, tailboard	—	—	—	—	—	—	—	—	—	—	—	—
E1	Plain	—	—	—	—	—	1	1	—	—	—	—	—
E1	With keyway	—	—	—	—	—	1	1	—	—	—	—	—
E1	Lashing	—	—	—	—	—	—	—	—	—	—	—	—
	Limber—												
E1	No. 30A	—	—	—	—	—	—	—	—	—	—	—	—
E1	No. 41	—	—	—	—	—	—	—	—	—	—	—	—
E1	S, cart or wagon	—	—	—	2	2	—	—	—	—	—	—	—
E1	Springs	—	—	—	—	—	—	—	—	—	—	—	—
	Suspending—												
E1	Dragshoe	—	—	—	—	—	—	—	—	—	—	—	—
E1	Spanner	—	—	—	—	—	—	—	—	—	—	—	—
E1	**Hoops,** bale ... ... set	—	—	—	—	—	—	1	—	—	—	—	—

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	
2	2	—	—	—	—	—	—	—	—	—	—	—	—	† *See* note on p. 399.
—	—	—	—	—	—	2	—	2	2	4	—	—	—	(*a*) For vehicles not fitted with draught hooks.
—	2	—	—	—	—	—	—	—	—	—	—	—	—	
—	2	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	2	—	—	—	—	—	—	—	
—	—	—	—	—	—	1	—	—	—	—	—	—	—	
2	2	—	—	—	2	2	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	1	1	1	1	—	—	—	
—	—	—	1	1	—	—	1	1	1	1	—	—	—	
1	1	—	—	—	—	—	2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	2	2	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	8	8	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	1	—	—	—	
—	—	—	—	—	2(*a*)	—	—	2	2	—	—	—	—	
—	—	—	—	—	2	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	1	1	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	2	—	—	
—	—	—	—	—	—	—	1	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Section No.	Designation.	Number for each vehicle.																				Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.											Tank.			Kitchen, travelling.		Wagons.							
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.		Water			Mk. VI*.	Mk. VII.	Watering, special, Mk. I.	Mk. I.	Mk. II.	Ambulance.		G.S.		Limbered, G.S.†		Range, long, Mk. I.	Range, short, Mk. I.	
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.						Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. X.	Mk. X*.	Fore.	Hind.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											† *See* note on p. 399.
	COMPONENTS—continued																											
	Hose—																											
E1	Connecting tank to draw off pipe	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
	Delivery, app., filtering—																											
E1	5-ft. 6-in. long	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	5-ft. 0-in. long	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	3-ft. 6-in. long	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	2-ft. 9-in. long	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Suction, app., filtering ...	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
	Joints, tipping—																											
E1	Near	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Keys—																											
E1	Head and tail	—	—	—	—	—	—	—	4	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Limber hook, No. 19 ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
E1	Rear prop	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Seat spring clip	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
	Split, flat—																											
M3	1-in. × 4-in.	—	—	—	—	—	—	—	2	2	1	1	1	1	1	—	—	—	—	—	1	—	—	—	—	—	—	
E1	¾-in. × 3½-in.	—	—	—	—	—	—	—	3	3	—	—	—	—	—	—	3	3	1	1	—	2	2	3	1	—	—	
E1	¾-in. × 2½-in.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	⅝-in. × 3-in.	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	1	—	—	—	—	
E1	½-in. × 2½-in.	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Stop cock	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Stud retaining chimney ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Tailboard	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	2	2	—	—	
E1	**Ladders**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
	Lamps, vehicle—																											
E1	Left-hand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	1	—	—	—	—	—	—	
E1	Right-hand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	1	—	—	—	—	—	—	
	Lashings—																											
	Tarred—																											
E1	1-in. × 10 ft.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	
E1	1-in. × 18 ft.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.											Wagons.									Remarks.
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.		Water			Tank.		Watering, special, Mk. I.	Kitchen, travelling.		Ambulance.			G.S.		Limbered, G.S.†				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. X.	Mk. X*.	Fore.	Hind.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Leathers, hand—																											
E1	Lower	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	Upper, with buckle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	**Legs**	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Levers—																											
E1	Brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
	Brake shoe—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	Connecting brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Hand—																											
E1	Brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	
E1	Front, brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Lids—																											
E1	Box	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	—	—	—	—	—	—	—	
E1	Locker, top	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Links, suspending brake shaft—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	**Locks,** box, limbers and wagons, No. 6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	**Lockers**	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
E1	Lamp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Small stores	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	1	—	—	—	
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Loops—																											
E1	Rope, locking	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Securing upper curtain rods	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	—	—	—	—	—	—	—	
E1	Straps, tailboard	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Tailboard chain	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	
E1	Tension rod, brake	—	—	—	—	—	—	—	—	—	—	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Lubricators,** No. 94, special wheel	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Moderators,** brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.								Wagons.							Remarks.
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Water Tank. Mk. V*.	Water Tank. Mk. V**.	Water Tank. Mk. VI.	Water Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	A.—Not demanded or accounted for separately.																	
	COMPONENTS—continued																	
	Mudguards—																	
E1	Near	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
	Nets, roof—																	
E1	Hind	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
E1	Side	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—
E1	**Nibs**, tailboard	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
E1	**Nuts**, brake screw	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—
E1	**Outriggers**	—	—	—	1	1	—	—	—	—	—	1	—	—	—	—	—	—
E1	**Ovens**, centre	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pads, resting stretcher—																	
E1	2-in. wide	—	—	—	—	—	—	—	—	—	—	12	—	—	—	—	—	—
E1	1¾-in. wide	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
E1	1½-in. wide	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
E1	**Pans**, frying	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—
E1	**Perches**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—
	Pins—																	
	Connecting brake—																	
E1	Handle brackets	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
E1	Shoe	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Draught—																	
E1	No. 1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—
E1	No. 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—
M3	No. 3	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
E1	No. 7	—	—	—	—	—	—	—	2	2	—	—	—	—	1	—	—	—
E1	No. 24	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—
E1	No. 25	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
E1	Joint, tipping	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—
	Linch—																	
E1	2nd class (*a*)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
E1	2nd class "C" capped wheels	—	2	—	—	—	—	—	—	—	2	2	2	—	—	4	4	—
E1	3rd class (*a*)	—	—	2	—	—	—	—	—	—	—	—	—	—	2	—	—	—
E1	3rd class "B" capped wheels	—	—	—	2	2	2	2	2	2	—	—	—	—	—	—	—	—
E1	With treadplate "B" ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Main—																	
E1	No. 7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Section No.	Designation.	Wagons. Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
1	2	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.									† *See* note on p. 399.
	COMPONENTS—continued									
	Mudguards—									
E1	Near	—	—	—	—	—	—	—	—	(*a*) Only for vehicles not fitted with dust-capped wheels.
E1	Off	—	—	—	—	—	—	—	—	
	Nets, roof—									
E1	Hind	—	—	—	—	—	—	—	—	
E1	Side	1	—	—	—	—	—	—	—	
E1	**Nibs**, tailboard	2	—	—	—	—	—	—	—	
E1	**Nuts**, brake screw	—	—	—	—	—	—	—	—	
E1	**Outriggers**	1	—	—	—	—	—	—	—	
E1	**Ovens**, centre	—	—	—	—	—	—	—	—	
	Pads, resting stretcher—									
E1	2-in. wide	12	—	—	—	—	—	—	—	
E1	1¾-in. wide	2	—	—	—	—	—	—	—	
E1	1½-in. wide	2	—	—	—	—	—	—	—	
E1	**Pans**, frying	—	1	1	1	—	1	—	—	
E1	**Perches**	—	—	—	—	—	—	—	—	
	Pins—									
	Connecting brake—									
E1	Handle brackets	—	—	—	—	—	1	—	—	
E1	Shoe	—	—	—	—	—	2	—	—	
	Draught—									
E1	No. 1	1	—	—	—	1	—	—	—	
E1	No. 2	—	—	—	—	—	1	—	—	
M3	No. 3	—	—	—	—	—	—	—	—	
E1	No. 7	—	—	—	—	—	—	—	—	
E1	No. 24	1	—	1	1	—	—	—	—	
E1	No. 25	—	1	—	—	—	—	—	—	
E1	Joint, tipping	—	—	—	—	—	—	—	—	
	Linch—									
E1	2nd class (*a*)	—	—	—	—	—	—	4	4	
E1	2nd class "C" capped wheels	2	—	2	2	2	2	—	—	
E1	3rd class (*a*)	—	2	—	—	—	—	—	—	
E1	3rd class "B" capped wheels	—	—	—	—	—	—	—	—	
E1	With treadplate "B" ...	—	4	2	2	—	—	—	—	
	Main—									
E1	No. 7	—	1	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Pins—*continued*																											
	Main—*continued*																											
E1	No. 10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	No. 36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	No. 36A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	Perch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Pole spring bracket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	
	Securing—																											
E1	Prop (with chain)	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Shaft (with chain) ...	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Stop, joint, rod connecting brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Pipes,** draw-off	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	2	2	—	—	—	—	—	—	—	—	—	
	Plates—																											
	Angle—																											
E1	Corner	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	4	—	—	
	Strengthening side—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Arrow, brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Axletree clip	—	—	—	—	—	—	—	—	—	—	2	2	2	2	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Baffle, firebox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Bottom, side oven—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Box, fuel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	
E1	Clip, brake lever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	
	Front—																											
E1	Lower	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Side ovens—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Inscription	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	—	
E1	Locking	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Section No.	Designation	Number for each vehicle.																								Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.†. Fore. Mk. I.	Wagons. Limbered, G.S.†. Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Plates—*continued*																											
	Loop—																											
E1	Locking rope, rear ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Tailboard, chain	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	
E1	Nip, perch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Shaft nib	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Side, axletree bolts	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	
	Sliding—																											
E1	Damper	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Soot door	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	
	Stop, draught pole—																											
	Bottom—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Top	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Strap, joint tailboard—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	
	Strengthening—																											
	Body frame—																											
	Front—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Rear—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Body front—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Front corners—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
	Outer side plates—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Plates—*continued*																											
	Strengthening—*continued*																											
	Tailboard—																											
E1	Centre	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
	Outer—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	—	—	
E1	Stud, hand lever, brake ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Tie rod	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Washer, side stop standards	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Plugs—																											
E1	Draw-off pipe	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Outlet hose connection ...	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
	Poles, draught—																											
E1	Cart, hand, common	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 7A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1	—	—	—	
E1	No. 9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	—	—	—	—	—	
M3	No. 17	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	1	—	—	—	
E1	Wagon range	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	
	Props—																											
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
	Vehicle—																											
E1	"A"	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	
	"C"—																											
E1	No. 2	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 4	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Pumps**, differential	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Racks**, brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	1	1	—	—	—	
	Rails—																											
E1	Guard	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	
E1	Hand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	
	Net—																											
E1	Hind, roof	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Side, roof	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.								Water Tank.			Wagons.								Remarks.
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.					Kitchen, travelling.		Ambulance.			G.S.		Limbered, G.S.†				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. X.	Mk. X*.	Fore.	Hind.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											† *See* note on p. 399.
	Rails—*continued*																											
E1	Rein	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Side—																											
E1	Near...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—		
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—		
E1	**Rakes,** fire	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—		
E1	**Ramps** (with hinge bar) ...	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—		
E1	**Raves**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—		
E1	**Reels** clarifying apparatus, filtering (complete with covers and rubber rings)	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—		
	Rests—																											
E1	Arm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—		
E1	Housing, chimney	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—		
E1	**Rings,** angle, chimney cone base	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—		
	Rods—																											
	Brake arm—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—		
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—		
	Connecting—																											
E1	Brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—		
E1	Brake arm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—		
E1	Brake shaft	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—		
	Curtain, roof—																											
E1	Long	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—		
E1	Short	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—		
E1	Tension, brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
E1	Tie	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—		
E1	Bottom	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—		
E1	Top	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
E1	Tipping	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Rollers—																											
E1	Floor	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
E1	Scotch, 4-in.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	—	—	—		
E1	Water tank	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—		

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mkl III.	Water. Mk. V*.	Water. Mk. V**.	Water. Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	A.—Not demanded or accounted for separately.												
	COMPONENTS—continued												
E1	**Roofs**	—	—	—	—	—	—	—	—	—	—	—	—
	Ropes—												
	Wire—												
E1	Brake	—	—	—	—	—	—	—	—	—	—	—	—
E1	Locking, under-carriage ...	—	—	—	—	—	—	—	—	—	—	—	—
	Screws, brake—												
E1	No. 8	—	—	—	—	—	—	—	—	—	—	—	—
E1	No. 10	—	—	—	—	—	—	—	—	—	—	—	—
E1	No. 12	—	—	—	—	—	—	—	—	—	1	1	1
E1	No. 16	—	—	—	—	—	—	—	—	—	—	—	—
E1	No. 21	—	—	—	—	—	—	—	—	—	—	—	—
E1	**Seats** and box, driver's ...	—	—	—	—	—	—	—	—	—	—	—	—
E1	**Seats**	—	1	—	—	—	—	—	—	—	—	—	—
E1	Driver's	—	—	—	—	—	1	1	—	—	—	—	—
	Fixed—												
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
E1	Folding	—	—	—	—	—	—	—	—	—	—	—	—
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
	Side, fixed—												
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
E1	With back	—	—	—	—	—	—	—	—	—	—	—	—
	Shafts—												
E1	Brake	—	—	—	—	—	—	—	—	—	—	—	—
E1	Coupling brake bar	—	—	—	—	—	—	—	—	—	1	1	1
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—
	With fittings—												
E1	No. 40	—	—	—	—	—	—	—	—	1	—	—	—
E1	No. 40A	—	—	—	—	—	—	—	1	—	—	—	—
E1	No. 49	—	—	—	—	—	—	—	1	1	—	—	—

Section No.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	
E1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
E1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	—	—	—	—	—	—	1	1	—	—	—	—	—	—	
E1	—	—	1	—	—	—	—	—	1	1	—	—	—	—	
E1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	6	—	—	—	—	—	—	
E1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	1	1	—	—	—	1	—	—	
E1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	
E1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Wa… Mk. V*.	Wa… Mk. V**.	Wa…	Tank. Mk. V*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Shafts—*continued*																											
	With fittings—*continued*																											
E1	No. 63	—	—	—	1	1	—	—	—	—	—	—																
E1	No. 64	—	—	—	1	1	—	—	—	—	—	—																
E1	No. 78	—	1	—	—	—	—	—	—	—	—	—																
E1	No. 79	—	1	—	—	—	—	—	—	—	—	—																
E1	No. 105	—	—	—	—	—	1	1	—	—	—	—																
E1	No. 106	—	—	—	—	—	1	1	—	—	—	—																
	Shoes—																											
E1	Block, wood brake bar ...	—	—	—	—	—	—	—	—	—	2	2																
E1	Brake	—	—	—	—	—	—	—	—	—	—	—																
	Brake block—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—																
E1	Off	—	—	—	—	—	—	—	—	—	—	—																
E1	Drag, No. 7B	—	—	—	—	—	—	—	1	—	—	—																
	Sockets—																											
E1	Nib, pole	—	—	—	—	—	—	—	—	—	1	1																
E1	Outside lamp bracket ...	—	—	—	—	—	—	—	—	—	—	—																
	Perch—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—																
E1	Rear	—	—	—	—	—	—	—	—	—	—	—																
E1	Pole	—	—	—	—	—	—	—	—	—	—	—																
E1	Whip	—	—	—	—	—	—	—	—	—	1	1																
	Spanners—																											
E1	No. 184	—	1	—	1	1	1	1	1	1	1	1																
P2	No. 190	—	—	—	—	—	—	—	—	—	—	—																
E1	No. 293	—	—	—	—	—	—	—	—	—	—	—																
E1	**Spindles**, brake	—	—	—	—	—	—	—	—	—	—	—																
	Springs—																											
E1	Balancing pole	—	—	—	—	—	—	—	—	—	—	—																
	Supplementary—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—																
E1	Off	—	—	—	—	—	—	—	—	—	—	—																
E1	Brake shoe lever	—	—	—	—	—	—	—	—	—	—	—																
E1	Check	—	—	—	—	—	1	1	—	—	—	—																

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Springs—*continued*																											
E1	Cross	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Fore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	
E1	Hind	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	—	—	—	—	—	—	—	
E1	Draught	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Fore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	
E1	Hind	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 2 relief valve	—	—	—	—	—	—	—	—	—	2	2	2	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Releasing brake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Seat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Side	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	
E1	Fore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	
E1	Hind	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Standards—																											
	Net rail—																											
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
	Rear—																											
E1	Centre	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Side	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
	Roof—																											
E1	Plain	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	
E1	With stop collar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	Side	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Front	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Rear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Under-carriage	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	—	—	
	Staples—																											
	Clip, axletree—																											
E1	Fore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	
	Hind—																											
E1	Long	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	Short	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
	Clips—																											
E1	Centre perch stay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Fore axletree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Hind axletree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	

† *See* note on p. 399.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carts.									Wagons.								Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Water Tank. Mk. V*.	Water Tank. Mk. V**.	Water Tank. Mk. VI.	Water Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Forc. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short. Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately																											† *See* note on p. 399.
	COMPONENTS—continued																											
	Staples—*continued*																											
	Clips—*continued*																											
E1	Limber hook stay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	
E1	Pole and perch staples ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	2	—	—	
E1	Stay, perch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Tackle bar	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Wheel plate bracket ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
	Stays—																											
	Axletree—																											
	Fore—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Hind—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Angle, inner	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	
	Front—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
	Brake shaft—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Crossbar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	
E1	Cross, seat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	Diagonal, draw-off pipe ...	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Door	—	2	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Footboard	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
	Handle bracket—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
	Nib, side—																											
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
E1	Perch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	
E1	Perch, centre	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	Pole nib socket	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see*

Section No.	Designation.	Number for each vehicle.												
			Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Water. Mk. V*.	Water. Mk. V**.	Water. Mk. VI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	A.—Not demanded or accounted for separately.													
	COMPONENTS—continued													
	Stays—*continued*													
	Pump—													
E1	Near	—	—	—	—	—	—	—	—	—	1	1	1	
E1	Off	—	—	—	—	—	—	—	—	—	1	1	1	
	Rave—													
E1	Front and rear	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Intermediate	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Rear bracket supporting spare pole	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Rear lid	—	—	—	—	—	—	—	2	2	—	—	—	
E1	Side	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Side centre	—	—	—	—	—	—	—	—	—	—	—	—	
	Steadying draw-off pipe—													
E1	Near	—	—	—	—	—	—	—	—	—	1	1	1	
E1	Off	—	—	—	—	—	—	—	—	—	1	1	1	
	Supporting draw-off pipe—													
	Inner—													
E1	Near	—	—	—	—	—	—	—	—	—	1	1	1	
E1	Off	—	—	—	—	—	—	—	—	—	1	1	1	
	Outer—													
E1	Near	—	—	—	—	—	—	—	—	—	1	1	1	
E1	Off	—	—	—	—	—	—	—	—	—	1	1	1	
	Steps—													
E1	Front	—	—	—	—	—	1	1	—	—	—	—	—	
E1	Near	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Off	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Rear	—	—	—	—	—	1	1	—	—	—	—	—	
E1	Splinter bar	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Upper	—	—	—	—	—	—	—	—	—	—	—	—	
	Stops—													
	Check, draught pole—													
E1	No. 1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 7	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 9	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 10	—	—	—	—	—	—	—	—	—	—	—	—	

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	
														† *See* note on p. 399.
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	4	4	—	—	—	—	
—	—	—	—	—	—	—	—	8	8	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	1	—	—	
—	—	—	2	2	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	2	2	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	1	—	1	1	—	—	—	—	
—	—	—	—	—	—	1	—	1	1	—	—	—	—	
—	—	—	—	—	—	1	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	2	—	—	—	—	—	—	
—	—	—	—	—	—	—	2	—	—	—	—	—	—	
—	—	—	—	—	1	1	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	1	1	—	—	—	—	
—	—	—	—	—	—	—	1	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see*

Num

Section No.	Designation.	Carts.									Wat		
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Mk. V*.	Mk. V**.	
1	2	3	4	5	6	7	8	9	10	11	12	13	1
	A.—Not demanded or accounted for separately.												
	COMPONENTS—continued												
	Stops—*continued*												
E1	Tailboard	—	—	—	—	—	—	—	—	—	—	—	—
	Straps—												
E1	Front and rear rave stays ...	—	—	—	—	—	—	—	—	—	—	—	—
E1	Guard	—	—	—	—	—	—	—	—	—	—	—	—
M3	Securing (*a*) ... ... set	—	—	—	1	1	1	1	—	—	1	1	—
	Securing—												
M3	¾-in. ×43-in.	1	—	—	—	—	—	—	—	—	—	—	—
M3	1-in. ×10-in.	—	—	—	—	—	—	—	4	4	—	—	—
M3	1-in. ×18-in.	—	—	1	—	—	—	—	—	—	—	—	—
M3	1-in. ×26-in.	—	—	1	—	—	—	—	1	1	—	—	—
E1	**Strainers,** hose app., filtering ...	—	—	—	—	—	—	—	—	—	2	2	—
KC	**Stretchers,** ambulance	—	—	—	—	—	—	—	—	—	—	—	—
	Studs—												
E1	Cotter firebox	—	—	—	—	—	—	—	—	—	—	—	—
E1	Fixing axletree	—	—	—	—	—	—	—	—	—	4	4	4
E1	Loop, tension rod	—	—	—	—	—	—	—	—	—	2	—	—
	Swingletrees—												
E1	No. 11	—	1	—	2	2	—	—	—	—	—	—	—
E1	No. 13	—	—	—	—	—	1	1	—	—	2	2	2
E1	**Tanks**	—	—	—	—	—	—	—	—	—	1	1	1
E1	Water	—	—	—	—	—	—	—	—	—	—	—	—
E1	**Taps,** water, small, No. 3 ...	—	—	—	—	—	—	—	—	—	4	4	4
E1	**Ties,** linch pin	—	—	—	—	—	—	—	—	—	—	—	—
E1	**Valves,** relief, No. 2	—	—	—	—	—	—	—	—	—	2	2	2
	Washers—												
	Drag—												
E1	3rd class, "A"	—	—	2	—	—	—	—	—	—	—	—	—
E1	3rd class, "B"	—	—	—	—	—	—	—	—	—	—	—	—
	Wheels—												
E1	Hand, lever, brake	—	—	—	—	—	—	—	—	—	—	—	—
	2nd class, "A"—												
E1	No. 16	—	—	—	—	—	—	—	—	—	—	—	—
	2nd class, "C"—												
E1	No. 200A	—	2	—	—	—	—	—	—	—	2	2	2

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

for each vehicle.

Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	
														† *See* note on p. 399.
—	—	—	—	—	—	—	2	—	—	—	—	—	—	(*a*) *See* Inventory Forms.
—	—	—	—	—	—	—	—	4	4	—	—	—	—	
—	—	—	—	—	1	1	1	—	—	—	—	—	—	
1	1	—	1	1	1	1	1	1	1	1	1	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	For securing carriage folded.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	Two for spanner and two for props.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	For props.
—	—	—	—	—	—	—	—	—	—	—	—	2	2	For grease boxes.
2	2	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	4	4	2	—	—	—	—	—	—	
—	—	—	4	4	—	—	—	—	—	—	—	—	—	
4	4	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	2	—	—	—	—	2	2	
2	2	—	2	2	2	2	—	2	2	2	—	—	—	
1	1	1	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	1	1	1	—	—	—	—	—	—	
4	4	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	2	—	—	—	—	—	—	—	—	
2	2	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	2	—	—	2	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	1	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	4	4	
2	2	—	—	—	—	—	—	2	2	2	2	—	—	

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carts.											Wagons.										Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.		Water		Tank.		Watering, special, Mk. I.	Kitchen, travelling.		Ambulance.		G.S.		Limberred G.S.†			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. V*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. X.	Mk. X*.	Fore.	Hind.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	COMPONENTS—continued																											
	Wheels—*continued*																											
	2nd class, "C"—																											
E1	No. 204	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	No. 206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	—	—	—	—	—	—	—	
	3rd class, "A"—																											
E1	No. 139	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	3rd class, "B"—																											
E1	No. 46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	
E1	No. 48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	
E1	No. 144 or 165	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 145	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 158	—	—	—	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	No. 159A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	
E1	No. 175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	
E1	No. 176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	
E1	Special, No. 94 (*a*)	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

(*a*) Stored without covers or tubes, which will be provided by R.A.O.C. on mobilization.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES

(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Number for each vehicle.

Section No.	Designation.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts. Ambulance, horse, Mk. II.	Carts. Hand, common, Mk. III.	Carts. Maltese. Mk. V*.	Carts. Maltese. Mk. VI.	Carts. Officers Mess. Mk. I.	Carts. Officers Mess. Mk. II.	Carts. Tip, G.S. Mk. II*.	Carts. Tip, G.S. Mk. III.	Carts. Water. Mk. V*.	Carts. Water. Mk. V**.	Carts. Water. Mk. VI.	Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Wagons. Ambulance. Mk. VI.	Wagons. Ambulance. Light, Mk. I.	Wagons. G.S. Mk. X.	Wagons. G.S. Mk. X*.	Wagons. Limbered, G.S.† Fore. Mk. I.	Wagons. Limbered, G.S.† Hind. Mk. II.	Wagons. Range, long, Mk. I.	Wagons. Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	A.—Not demanded or accounted for separately.																											
	ACCESSORIES.																											
E1	**Adapters,** valve, tyre pump ...	(*a*)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Kettles,** sterilizing, app., filtering	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Mats,** floor	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Slings,** horse, cart, ambulance	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	B.—Demanded and accounted for separately.																											
	1.—*ACCESSORIES.*																											
E1	**Bars,** coupling, engine draught, No. 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1(*b*)	1(*b*)	—	—	—	—	
E1	**Blocks,** distance	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(*c*)	(*c*)	—	—	
E1	**Chains,** drag shoe, No. 21 ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	,, ,, No. 22 ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	,, ,, No. 35 ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	**Connectors,** engine draught, No. 6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1(*b*)	1(*b*)	—	—	—	—	
	Covers—																											
E1	Adjustable, G.S. wagons ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
	Cart—																											
E1	Maltese	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Tip, G.S.	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Short rifle	—	—	—	(*d*)	(*d*)	(*d*)	(*d*)	—	—	(*d*)	(*d*)	(*d*)	(*d*)	(*d*)	—	(*d*)	(*d*)	—	—	—	(*d*)	(*d*)	(*d*)	(*d*)	—	—	
	Wagon—																											
E1	Ambulance	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	
E1	Limbered, G.S.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	
E1	**Guides,** engine draught connector, No. 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1(*b*)	1(*b*)	—	—	—	—	
	Hoops, bale—																											
E1	Wagon ambulance, Mk. V** (set of 6)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	**Holders,** lamp, wagon, limbered, G.S. and travelling kitchen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	2	—	—	—	

† *See* note on p. 399.

(*a*) One each pump, bicycle M.T. (R.A.O.C.) supply.
(*b*) Only for wagons for which engine draught has been authorized.
(*c*) To be provided locally as required, for packing Lewis gun chest.
(*d*) 1 each rifle carried on vehicle. Peace and War. For R.A. units, covers will be found from those on unit charge.

COMPONENTS, ACCESSORIES, SPARE PARTS AND WAGON EQUIPMENT OF VEHICLES
(For R.A., R.E. and R. Signals Vehicles, *see* Part 2, Sections Xa, XI, XII and XIIIa)

Section No.	Designation.	Number for each vehicle.																								Remarks.
			Carts.												Tank.		Watering, Special, Mk. I.	Kitchen, travelling.		Wagons.							
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers Mess.		Tip, G.S.		Water				Mk. VII*.	Mk. VII.		Mk. I.	Mk. II.	Ambulance.			G.S.		Limbered, G.S.†		Range, long, Mk. I.	Range, short, Mk. I.	
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.							Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. X.	Mk. X*.	Fore.	Hind.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	B.—Demanded and accounted for separately.																											
	1.—ACCESSORIES—continued																											
	Lamps, vehicle—																											
E1	Left-hand	—	—	—	—	—	—	—	—	—	—	—	—				1	1	—	—	—	—	—	1	—	—	—	
E1	Rear	—	1	—	1	1	—	1	1	1	1	1	1				1	1	1	1	1	1	1	—	1	—	—	
E1	Right-hand	—	—	—	1	1	1	1	—	—	—	—	—				1	1	—	—	—	—	—	1	—	—	—	
E1	**Lashings**, white—																											
E1	1-in., 32 ft.	—	—	—	—	—	—	—	—	—	—	—	—						—	—	—	2(*a*)	2(*a*)	—	—	—	—	
E1	1-in. with 7 hooks	—	—	—	—	—	—	—	—	—	—	—	—						—	—	—	1(*b*)	1(*b*)	—	—	—	—	
E1	**Levers**, tyre, motor-cycle ...	2 (*c*)	—	—	—	—	—	—	—	—	—	—	—						—	—	—	—	—	—	—	—	—	
E1	**Measures**, clarifying powder, 83 grains	—	—	—	—	—	—	—	—	—	1	1	1						—	—	—	—	—	—	—	—	—	
C3	**Outfits**, repairing tyres	1	—	—	—	—	—	—	—	—	—	—	—		1	1			—	—	—	—	—	—	—	—	—	
C3	**Pumps**, bicycle	1 (*d*)	—	—	—	—	—	—	—	—	—	—	—						—	—	—	—	—	—	—	—	—	
E1	**Shoes**, drag, No. 10	—	—	—	—	—	—	—	—	—	—	—	—						—	—	—	—	—	—	—	—	—	
	Spanners—																											
E1	Adjustable, 7-in.	1	—	—	—	—	—	—	—	—	—	—	—						1	1	1	—	—	—	—	—	—	
M3	No. 93	—	—	—	—	—	—	—	—	—	—	—	—						—	—	—	—	—	—	—	—	—	
E1	**Tools**, inserting rubber tyre ...	—	—	—	—	—	—	—	—	—	—	—	—						—	—	—	1(*e*)	1(*e*)	—	—	—	—	
	2.—SPARE PARTS.																											
E1	**Bearers**, boiler, kitchen, travelling (*f*)	—	—	—	—	—	—	—	—	—	—	—	—						1	1	1	—	—	—	—	—	—	
	Blocks, brake—																											
M3	Field and transport	—	—	—	—	—	—	—	—	—	2	2	2				1(*f*)	1(*f*)	—	—	—	—	—	—	—	—	—	
E1	Wagons, ambulance, Mk. VI and light	—	—	—	—	—	—	—	—	—	—	—	—		2	2	2	2	2(*g*)	—	—	2	2	—	2	—	—	
E1	**Bolts**, connecting, No. 21 brake screw	—	—	—	—	—	—	—	—	—	—	—	—						—	2(*g*)	2(*g*)	—	—	—	—	—	—	
	Collars—																											
	Adjusting— (*h*)																											
E1	2nd class, "C" capped wheels	—	1	—	—	—	—	—	—	—	1	1	1						—	—	—	—	—	—	1	—	—	
E1	3rd class, "B" capped wheels	—	—	—	1	1	1	1	1	1	—	—	—		1	1	1	1	—	1	—	1	1	1	—	—	—	
E1	Cylinder, cover bolts, app., filtering	—	—	—	—	—	—	—	—	—	2	2	2						—	1	1	1	1	—	—	—	—	
E1	**Covers**, clarifying reel, app., filtering	—	—	—	—	—	—	—	—	—	2	2	2		2	2	—	—	—	—	—	—	—	—	—	—	—	
E1	**Gratings**, kitchen, travelling (2 to a set) ... ... set	—	—	—	—	—	—	—	—	—	—	—	—		2	2	—	—	—	—	—	—	—	—	—	—	—	
																	1(*f*)	1(*f*)	—	—	—	—	—	—	—	—	—	

† *See* note on p. 399.

(*a*) For wagon not fitted to take "Lashings, white, 1-in., with 7 hooks" (L. of C. 23523).
(*b*) Only for wagons fitted to take these lashings (L. of C. 23523).
(*c*) R.A.S.C. supply.
(*d*) Will not be issued until existing stock of "Inflator, rubber-tyred wheels" is exhausted.
(*e*) Only required when No. 43 wheels are in use.
(*f*) 1 each unit. Carried in No. 2 G.S. limbered wagon of the baggage section of train for infantry battalions. (War only.)
(*g*) Only for wagons fitted with steel-tyred wheels.
(*h*) This allowance is for artillery units only. For other units the allowance will be as follows :—
Peace—Nil.
War—Two sets (2 collars, 2 pins and 2 washers) each unit having four or more vehicles on charge fitted with these wheels. One set each unit having less than four vehicles.

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see*

Section No.	Designation.	Number for each vehicle.																								
			Carts.														Wagons.									
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. II.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Water. Mk. V*.	Water. Mk. V**.	Water. Mk. VI.	Tank. Mk. V*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	B.—Demanded and accounted for separately.																											† *See* note on p. 399.
	2.—SPARE PARTS—continued																											
E1	**Keys,** split, flat—																											
E1	$\frac{5}{8}$-in. × 3-in.	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	$\frac{3}{4}$-in. × 3½-in.	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Lubricators,** No. 94, special wheel	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Nuts—																											
G1	Hexagon, $\frac{5}{8}$-in.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Hexagon, castellated—																											
E1	$\frac{1}{2}$-in.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	$\frac{3}{4}$-in.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	Wing, cylinder cover bolts, app., filtering	—	—	—	—	—	—	—	—	—	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Packings,** differential, pump set	—	—	—	—	—	—	—	—	—	1	1	1	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
	Pins, linch—													1	1													
E1	3rd class	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—	
E1	2nd class, "C" capped wheels (*a*)	—	1	—	—	—	—	—	—	—	1	1	1	1	1	—	1	1	—	1	—	1	1	1	—	—	—	
E1	3rd class, "B" capped wheels (*a*)	—	—	—	1	1	1	1	1	1	—	—	—	—	—	—	—	—	—	1	1	1	1	—	—	—	—	
E1	With treadplate B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
E1	**Plates,** anti-splash, kitchen, travelling, boilers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1 (*b*)	1 (*b*)	—	—	—	—	—	—	—	—	—	
E1	**Rakes,** fire, kitchen, travelling	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2 (*b*)	2 (*b*)	—	—	—	—	—	—	—	—	—	
E1	**Reels,** clarifying apparatus, filtering (complete with covers and rubber rings)	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	
E1	**Rings,** clarifying reel	—	—	—	—	—	—	—	—	—	6	6	6	6	6	—	—	—	—	—	—	—	—	—	—	—	—	
	Swingletrees—																											
E1	No. 11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
E1	No. 13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1	—	—	—	—	
	Taps, water, small, No. 3 ...	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
	Washers—																											
E1	Cap, drain hole	—	—	—	—	—	—	—	—	—	2	2	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

(*a*) This allowance is for artillery units only. For other units the allowance will be as follows :—
Peace—Nil.
War—Two sets (2 collars, 2 pins and 2 washers) each unit having four or more vehicles on charge fitted with these wheels. One set each unit having less than four vehicles.

(*b*) 1 each unit. Carried in No. 2 G.S., limbered wagon of the baggage section of train for infantry battalions.

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see*

Numbe

Section No.	Designation.	Carts.									Wate		
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	B.—Demanded and accounted for separately.												
	2.—SPARE PARTS—continued												
	Washers—*continued*												
E1	Cylinder cover, clarifying filter	—	—	—	—	—	—	—	—	—	2	2	2
	Drag—												
E1	3rd class, "A"	—	—	1	—	—	—	—	—	—	—	—	—
E1	3rd class, "B"	—	—	—	—	—	—	—	—	—	—	—	—
E1	2nd class, "C" capped wheels (*a*)	—	1	—	—	—	—	—	—	—	1	1	1
E1	3rd class, "B" capped wheels (*a*)	—	—	—	1	1	1	1	1	1	—	—	—
E1	Union, ¾-in. hose	—	—	—	—	—	—	—	—	—	8	8	8
	3.—MATERIAL FOR REPAIR.												
H2	**Twine,** packing, middling (8-oz. balls) ... ... balls	—	—	—	—	—	—	—	—	—	1	1	1
	4.—CART AND WAGON EQUIPMENT.												
	Axes—												
J1	Felling	—	—	—	1	1	1	1	—	—	—	—	—
F	Hand, 3-lb.	—	—	—	—	—	—	—	—	—	—	—	—
	Pick, 4½-lb.—												
J1	Heads	—	—	—	1	1	—	—	—	—	1	1	1
J1	Helves	—	—	—	1	1	—	—	—	—	1	1	1
KC	**Blankets,** brown, single ...	—	—	—	—	—	—	—	—	—	—	—	—
KA	**Boards,** inventory, Mk. II ...	—	—	—	1	1	1	1	—	—	1	1	1
E1	**Boxes,** candle, vehicle	—	—	—	—	—	1	1	—	—	—	—	—
	Brushes—												
E1	Cleaning, tank, water carts	—	—	—	—	—	—	—	—	—	1	1	1
KE	Flue, 4-ft. 3-in.	—	—	—	—	—	—	—	—	—	—	—	—
KE	Scrub, hand, union	—	—	—	—	—	—	—	—	—	—	—	—
E1	Water, carriage	—	—	—	1	1	1	1	—	—	1	1	1
KE	Nail or Laundry, large ...	—	—	—	—	—	—	—	—	—	1	1	1
J1	**Buckets,** water, canvas, Mk. V	—	—	—	1	1	1	1	—	—	1	1	1
H1	**Grease** (*b*) ... ... lb.	—	—	3	3	3	3	3	3	3	3	3	3

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

for each vehicle.

Tank. Mk. VI*.	Tank. Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Wagons. Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	Remarks.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	
2	2	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	1	—	—	1	—	—	—	—	—	—	—	—	
1	1	—	1	1	—	—	—	1	1	1	—	—	—	
—	—	—	—	—	1	—	1	1	1	—	—	—	—	
8	8	—	—	—	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	1	1	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	1	1	—	—	—	—	
1	1	—	—	—	—	—	—	1	1	—	—	—	—	
—	—	—	—	—	8	8	4	—	—	—	—	—	—	
1	1	—	1	1	1	1	1	1	1	1	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
—	—	—	1	1	—	—	—	—	—	—	—	—	—	
1	1	—	1	1	1	1	1	1	1	1	—	—	—	
1	1	—	—	—	—	—	—	—	—	—	—	—	—	
1	1	—	6	6	2	2	2	2	2	2	—	—	—	
3	3	3	6	6	6	6	6	6	6	3	3	—	—	

† *See* note on p. 399.

(*a*) This allowance is for artillery units only. For other units the allowance will be as follows:—
Peace—Nil.
War—Two sets (2 collars, 2 pins and 2 washers) each unit having four or more vehicles on charge fitted with these wheels. One set each unit having less than four vehicles.

(*b*) Annual supply for vehicles on peace charge.

COMPONENTS, ACCESSORIES, SPARE PARTS
(For R.A., R.E. and R. Signals Vehicles, *see*

Section No.	Designation.	Number for each vehicle.																								
			Carts.											Tank.					Wagons.								Remarks.
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. II.	Maltese. Mk. V*.	Maltese. Mk. VI.	Officers Mess. Mk. I.	Officers Mess. Mk. II.	Tip, G.S. Mk. II*.	Tip, G.S. Mk. III.	Water Mk. V*.	Water Mk. V**.	Water Mk. VI.	Mk. V*.	Mk. VII.	Watering, special, Mk. I.	Kitchen, travelling. Mk. I.	Kitchen, travelling. Mk. II.	Ambulance. Mk. V**.	Ambulance. Mk. VI.	Ambulance. Light, Mk. I.	G.S. Mk. X.	G.S. Mk. X*.	Limbered, G.S.† Fore. Mk. I.	Limbered, G.S.† Hind. Mk. II.	Range, long, Mk. I.	Range, short, Mk. I.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	B.—*Demanded and accounted for separately.*																											
	4.—*CART AND WAGON EQUIPMENT—continued*																											
	Hammers—																											
F	Carpenters, claw, 1-lb. 8-oz.	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	1	—	—	—	
F	Carpenters, Warrington pattern, 8-oz.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—	
J.1	**Hooks,** bill	—	—	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
KE	**Lamps,** hurricane	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
J1	**Tent** components, line, hemp, 4-std., $\frac{3}{4}$-in. (*a*) ... ... oz.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	6	—	—	—	—	—	—	
NIV	**Rags,** linen or cotton, old lb.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	—	—	—	—	—	—	—	—	—	
F	**Pincers,** carpenters	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	1	—	—	—	
	Powder—																											
	Bleaching (*b*) ... ... lb.	—	—	—	—	—	—	—	—	—	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	—	—	—	—	—	—	—	—	—	—	—	—	
	Clarifying (*b*) ... ... ,,	—	—	—	—	—	—	—	—	—	9	9	9	9	9	—	—	—	—	—	—	—	—	—	—	—	—	
M.3	**Ropes,** drag, light, G.S. ...	—	—	—	2	2	—	—	—	—	2	2	2	2	2	—	2	2	—	—	—	2	2	—	2	—	—	
F	**Screwdrivers,** Cabinet, 6-in. ...	—	—	—	—	—	1	1	—	—	2	2	2	—	—	—	1	1	—	—	—	—	—	1	—	—	—	
D.2	**Shoes,** horse, with nails pr.	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Shovels—																											
KE	Coal, large	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	
J1	G.S.	—	—	—	2	2	—	—	—	—	1	1	1	1	1	—	—	—	—	—	—	2	2	—	—	—	—	
	Spanners—																											
F	Adjustable, 11-in.	—	—	—	—	—	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	—	—	1	—	—	—	
	Double-ended—																											
F	$\frac{3}{8}$-in. and $\frac{1}{2}$-in.	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
F	$\frac{5}{8}$-in. and $\frac{3}{4}$-in.	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
F	$\frac{7}{8}$-in. and 1-in. (*c*)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	
EI	No. 287	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
H2	**Spunyarn,** hemp, tarred 3-yarn lb.	—	—	—	5	5	5	5	—	—	5	5	5	5	5	—	5	5	5	5	5	5	5	5	—	—	—	
E3	**Tackles,** differential, 10-cwt. Mk. I	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
D2	**Valises,** horseshoe, Mk. II ...	—	—	—	1	1	—	—	—	—	1	1	1	1	1	—	1	1	1	1	1	1	1	1	—	—	—	

† *See* note on p. 399.

(*a*) Annual supply for vehicles on peace charge.
(*b*) R.A.S.C. supply.
(*c*) Will be indented for when these wagons are fitted for engine draught.

AND WAGON EQUIPMENT OF VEHICLES
Part 2, Sections Xa, XI, XII and XIIIa)

APPENDIX 28

(*Referred to in paras.* **586, 592** *and* Chap. **22**)

TOOLS AND EQUIPMENT FOR "B" AND R.A.S.C. MECHANICAL TRANSPORT VEHICLES

Comprising :—

TABLE 1—Fitments provided on the vehicle.

TABLE 2—Maker's tools and equipment supplied with the vehicle.

TABLE 3—W.D. tools and equipment issued with the vehicle.

TABLE 4—Measures for oil.

TABLE 1.—FITMENTS PROVIDED ON THE VEHICLE

Designation.	Motor-cycles, solo and combinations.	Cars, 4-wheeled.	Trucks and vans.	Lorries, 30-cwt. and upwards ; tractors ; cars, 6-wheeled and ambulances.
M.T. Section 1				
Blocks, rifle	—	1 (*a*)	1	1
Brackets, extinguisher, fire ...	—	1	1	1
Carriers, petrol, oil and water can	—	—	—	1
Clips, rifle ... ... set	1 (*b*)	1 (*a*)	1	1
Fittings, pick and shovel ...	—	—	1 (*c*)	1
Holders, oil can, ½-pint ...	—	1	1	1
Padlocks, iron, galvanized, with 2 keys	—	(*d*)	(*d*)	(*d*)
Straps—				
Carrier, leather	2	—	—	—
Securing, overall chain set	—	—	—	1 (*e*)
M.T. Section 3				
Mirrors, driving, external, complete with brackets ...	—	1	1	1 (*f*)

TABLE 1—*continued*

Designation.	Motor-cycles, solo and combinations.	Cars, 4-wheeled.	Trucks and vans.	Lorries, 30-cwt. and upwards ; tractors ; cars, 6-wheeled and ambulances.
M.T. Section 6				
Discs, bridge sign	—	1	1	1
Plates—				
Detector, gas	—	—	—	(*g*)
Unit sign, complete with holders	(*h*)	2	2	2
M.T. Section 12				
Cleaners, air	(*j*)	1	1	1
M.T. Section 13				
Containers, steel, for hospital equipment box	—	—	—	1 (*k*)
Covers, waterproof, complete with lashing	—	—	1 (*l*)	1 (*l*)
Muffs, radiator, or flaps, blanketing	—	1	1	1
M.T. Section 14				
Wheels, spare, complete with tyres (covers and tubes) (*m*)	1 (*b*)	1	1	1

(*a*) If required.
(*b*) Motor-cycle combinations only.
(*c*) Not for vans.
(*d*) One each lock-up receptacle or carrier.
(*e*) Vehicles with 4-wheeled bogies only.
(*f*) Two for tractors, 6-wheeled, heavy, and tractors, 6-wheeled, break-down.
(*g*) Forward-control vehicles only.
(*h*) Plates will not be provided ; unit signs will be painted on the forward end of the petrol tank and on the rear mudguard.
(*j*) *See* **TABLE 3.**
(*k*) Ambulances only.
(*l*) Not for cars, 6-wheeled ; ambulances ; or vehicles with "House" type bodies.
(*m*) Not for vehicles equipped with "R.F." tyres or "P.T." wheel assemblies.

TABLE 2.—MAKER'S TOOLS AND EQUIPMENT SUPPLIED WITH THE VEHICLE

Designation.	Motor-cycles, solo and combinations.	Cars, 4-wheeled.	Trucks and vans.	Lorries, 30-cwt. and upwards; tractors; cars, 6-wheeled and ambulances.
Section G2				
Wire, copper, soft, No. 20 S.W.G., 15-ft. (or wire, steel, galvanized, soft, in lieu) ...	—	1	1	1
M.T. Section 1				
Can, oil, lubricating, ½-pint ...	—	1	1	1
Extinguisher, fire, tetrachloride type, 1-quart, filled ...	—	1	1	1
Funnel, oil	—	1	1	1
Gauge, pressure, tyre (*a*) ...	—	1	1	1
Injector, grease or oil ...	1	1	1	1
Jack, lifting, complete with handle, lever or tommy bar	(*b*)	1	1	1
Pump, tyre—				
Foot (*c*)	—	1	1	1
Motor-cycle	1	—	—	—
Shackle, "D," winch rope ...	—	—	—	1 (*d*)
Tape, insulating, ½-in. wide, ¼-lb. tins	1 (*e*)	1	1	1
M.T. Section 2				
Bag, kit, tool	—	—	1	1
Brace, wheel, or spanner, box, tubular, with tommy bar ...	—	1	1	1
Extractor, rivet, roller chain, motor-cycle	1	—	—	—
Levers, tyre, sets (*f*) ...	1	1	1	1
Roll, kit, tool	1	1	—	—
Tool, removing, valve, tyre (*f*)	1	1	1	1
M.T. Section 3				
Box, tin, for spare electric bulbs	—	1	1	1
Bulb—				
Headlamp, spare	—	1	1	1
Side or tail-lamp, spare ...	—	1	1	1
Lamp, inspection, electric, complete with bulb, cable and plug	—	1	1	1
M.T. Section 4				
Holder, spare sparking plug (*g*)	—	1	1	1
Plug, sparking, spare (*g*) ...	1	1	1	1

TABLE 2—*continued*

Designation.	Motor-cycles, solo and combinations.	Cars, 4-wheeled.	Trucks and vans.	Lorries, 30-cwt. and upwards; tractors; cars, 6-wheeled and ambulances.
M.T. Section 6				
Outfit, tyre repair, motor-cycle	1	—	—	—
M.T. Section 11				
Links, etc., spare, for motor-cycle driving chain, complete with box	1	—	—	—
Spare Parts Section				
Maker's tool kits (*h*) ... set	1	1	1	1
M.T. Section—N.I.V.				
Charts, lubrication	1	1	1	1
Handbooks, instructional ...	1	1	1	1
Lists—				
Spare parts	1	1	1	1
Tools and equipment ...	1	1	1	1

(*a*) Not for vehicles equipped with P.T. wheel assemblies.

(*b*) Motor-cycle combinations will be fitted with legs or jacks for the rear and side-car wheels.

(*c*) For vehicles not fitted with a mechanical pump.

(*d*) Only for vehicles fitted with winches.

(*e*) 2-oz. tin.

(*f*) Not for vehicles equipped with "R.F." tyres or "P.T." wheel assemblies.

(*g*) Not for vehicles with compression ignition engines.

(*h*) Contains all tools necessary for proper maintenance of the vehicle by the driver.

TABLE 3.—W.D. TOOLS AND EQUIPMENT ISSUED WITH THE VEHICLE

Designation.	Motor-cycles, solo and combinations.	Cars, 4-wheeled.	Trucks and vans.	Lorries, 30-cwt. and upwards; tractors; cars, 6-wheeled and ambulances.
Section E3				
Blocks, tackle, G.S.—				
Cordage, 2-in., Mk. I—				
Single	—	—	—	1 (*a*)
Double	—	—	—	1 (*a*)
Treble	—	—	—	1 (*a*)
Wire rope, 2-in., Mk. I—				
Snatch	—	—	—	1 (*b*)
Section F				
Hammers, sledge—				
Double-faced, 5-lb.	—	—	1 (*d*)	—
Straight pane, 10-lb.	—	—	—	(*c*)
Section H2				
Cordage, manilla, white, hawser-laid, 2-in. fms.	—	—	—	25 (*a*)
Section J1				
Pins, picketing, iron, 15¾-in.	—	—	1 (*d*)	—
Shovels, G.S.	—	2 (*e*)	1 (*f*)	1
Section KC				
Stretchers, ambulance	—	—	—	4 (*g*)
Straps	—	—	—	4 (*g*)
M.T. Section 1				
Blocks, pulley, snatch, heavy tractor, 16-in. dia.	—	—	—	1 (*h*)
Brushes, engine cleaning, 11-in.	—	1	1	1
Cans—				
Oil, 1-gallon	—	—	—	2
Petrol, 2-gallon (*j*)	—	—	1	1
Water, 2-gallon	—	—	—	1
Funnels, petrol, garage type (*k*)	—	1	1	1
Holdfasts, anchor, earth	—	—	—	(*c*)
Scotches, tractor, complete with hawser	—	—	—	2 (*l*)
Tins, oil, 1-quart	—	1	1	—
Fittings, shovel	—	2 (*e*)	—	—
M.T. Section 2				
Tensioners, for chains, overall or non-skid (*m*)	—	1	1	1
Tools, wheel lifting	—	—	1 (*n*)	1 (*n*)
M.T. Section 3				
Horns, bulb, complete with fittings (*o*)	1	1	1	1

TABLE 3—*continued*

Designation.	Motor-cycles, solo and combinations.	Cars, 4-wheeled.	Trucks and vans.	Lorries, 30-cwt. and upwards; tractors; cars, 6-wheeled and ambulances.
M.T. Section 11				
Chains, non-skid, or overall (*p*)	—	2 (*q*)	2	(*r*)
M.T. Section 12				
Cleaners, air	1 (*s*)	—	—	—
M.T. Section 13				
Rugs, bonnet (*t*)	—	1	1	1
H.M.S.O. Supply				
Books, vehicle log (A.B. 5 or A.B. 412)	1	1	1	1

(*a*) Searchlight lorries only.
(*b*) For tractors, 4-wheeled, field artillery; tractors, 6-wheeled, light A.A., and tractors, 6-wheeled, field artillery, only.
(*c*) 1 each tractor, 4-wheeled, field artillery; tractors, 6-wheeled, field artillery; and tractors, 6-wheeled, light A.A.
2 each for lorries, 30-cwt., 6-wheeled, winch; lorries, 3-ton, 6-wheeled, derrick; tractors, 4-wheeled, heavy; tractors, 6-wheeled heavy; tractors, 6-wheeled, breakdown; and transporters, 10-wheeled, heavy, 4 each lorries, 3-ton, 6-wheeled, breakdown.
(*d*) Trucks, 15-cwt., 4-wheeled, office, only.
(*e*) Cars, 6-seater, 4-wheeled, utility, on charge to motor machine gun units only.
(*f*) Trucks only.
(*g*) Ambulances only.
(*h*) Tractors, 4-wheeled, heavy; tractors, 6-wheeled, heavy; tractors, 6-wheeled, breakdown; and transporters, 10-wheeled, heavy, only.
(*j*) For petrol or fuel oil.
(*k*) Funnel, fuel oil, garage type, to be issued for vehicles with compression-ignition engines.
(*l*) Lorries, 30-cwt., 6-wheeled, winch; lorries, 3-ton, 6-wheeled, derrick; tractors, 4-wheeled, field artillery; tractors, 6-wheeled, field artillery; tractors, 6-wheeled, light A.A.; tractors, 4-wheeled, heavy; tractors, 6-wheeled, heavy; tractors, 6-wheeled, breakdown; and transporters, 10-wheeled, heavy, only.
(*m*) Only for chains which require tensioners.
(*n*) R.A.S.C. vehicles only. (*See* unit scale for " B " vehicles.)
(*o*) For vehicles in Egypt and Malta; also for all vehicles not fitted with electric horns.
(*p*) Not for vehicles with Sand tyres. In the case of vehicles with driving wheels at both front and rear, chains will be provided for and used on the rear wheels only.
(*q*) Not for cars, 2-seater, 4-wheeled, open.
(*r*) Not for 6-wheeled ambulances.
(*s*) Vehicles in the Middle East only.
(*t*) Not for forward-control vehicles.

TABLE 4.—MEASURES FOR OIL

NOTE.—These are provided to ensure that engines of M.T. vehicles are not damaged by the use of contaminated oil.

Designation.	No.	Remarks.
Section KE		
Funnels, oil, 6-in....	1	Each squadron, battery or company, and each troop of armoured divisional signals.
Measures, oil—		
1-pt.	1	
½ gal.	1	
Pourers, oil	2	

APPENDIX 29

(*Referred to in para.* **586**)

WAR SCALE OF LUBRICANTS FOR "A" (MECHANICAL) VEHICLES.—INITIAL SUPPLY ON MOBILIZATION

[Under consideration.]

APPENDIX 30

(*Referred to in paras.* **426** *and* **520**)

MATERIALS ALLOWED FOR PAINTING VEHICLES, ETC.

TABLE 1.—QUANTITY OF MATERIAL FOR REPAIRING BARE PLACES AND PAINTING ONE COAT

Designation.	Paint, prepared. Service colour. (*a*)	Putty.	Remarks.
Section E1	lb. oz.	lb. oz.	
Carriage, ambulance, stretcher, collapsible	4 0	0 8	
Carts—			
Ambulance, horse	7 0	1 0	
Hand, common	5 0	0 12	
Hand, light	1 12	0 4	
Maltese	6 0	0 12	
Officers Mess	4 0	0 8	
Tip, G.S.	9 8	1 0	
Water tank, Mks. V* to VII, complete	5 0	0 4	
Connectors, engine draft, No. 6	2 0	—	
Kitchens, travelling (*b*)—			
Body	1 8	—	Also 10 lb. of black paint, and 1 lb. of varnish, black, vegetable.
Limber	3 8	0 4	Also 1 lb. of varnish, black, vegetable.
Poles, draught (spare)—			
Nos. 7A, 9 and 23	1 0	—	
Shafts (spare)—			
Nos. 63 and 64	0 12	0 1	
Swingletrees (spare)—			
Nos. 11 and 13 ...(a doz.)	2 0	0 8	

(*a*) Where necessary, linseed oil and turpentine for thinning paint may be issued, the quantity together not to exceed 2 quarts for every 56 lb. of prepared paint.

(*b*) The following materials are allowed annually for the preservation of kitchens, travelling :—

Section H1			
Bathbricks	1		To be provided locally.
Mineral jelly, red	3	lb.	
Soda crystals	6	,,	
Soap, yellow	2	bars	

TABLE 1—*continued*

Designation.	Paint prepared. Service colour. (*a*).	Putty.	Remarks.
Section E1—continued	lb. oz.	lb. oz.	
Wagons—			
Ambulances, Mk. V** ...	14 0	2 0	
,, Mk. VI ...	16 0	2 0	Also 3 lb. of white paint for inside of roof.
,, light	10 0	1 8	
G.S., Mks. X to X* ...	15 0	2 0	
Limbered, G.S.—			
Fore	5 0	0 12	
Hind	5 0	0 12	
Range—			
Long	8 0	1 0	
Short	7 0	1 0	
Wheels (spare) — 2nd class, C. — No. 204	1 0	0 3	
Wheels (spare) — 2nd class, C. — Nos. 200A and 206	1 0	0 3	
Wheels (spare) — 3rd class, B. — No. 159A	0 12	0 2	
Wheels (spare) — 3rd class, B. — Nos. 46 and 48	0 6	0 2	
Wheels (spare) — 3rd class, B. — Nos. 145 and 158	0 14	0 2	
Section E3			
Jacks, lifting, G.S.	0 4	—	
Section J1			
Barrows, hand...	0 12	0 2	
Mauls, heads, Mk. VI (doz.) ...	1 0	—	
Posts, picketing, 2½-ft., Mk. V (*b*) (doz.)	1 2	—	
Section KA			
Barrows, stable	1 8	0 4	
Section M3			
Bars, supporting, draught pole, (*c*)	—	—	
Poles, draught (spare), Nos. 17 and 18	1 0	—	
Wheels (spare), 2nd class C, Nos. 43 and 45	1 4	0 2	
Section W1			
Trucks, miners	0 12	0 2	

(*a*) Where necessary, linseed oil and turpentine for thinning paint may be issued, the quantity together not to exceed 2 quarts for every 56-lb. of prepared paint.

(*b*) Posts treated with jodolite or oil, mineral, preserving wood, will not require painting.

(*c*) Paint for metal work will be taken from quantity authorized for vehicles; woodwork will be treated with "oil, mineral, preserving wood," for which purpose 1½-gills a dozen bars may be demanded annually.

TABLE 2.—MATERIAL FOR PAINTING "A", "B" AND R.A.S.C.M.T. VEHICLES (ALL TYPES)

To be demanded as required

Designation.	Remarks.
Section F	
Brushes, sash tool (*a*).	(*a*) Sizes to be stated on indents.
or	
Brushes, varnish or enamel, flat (*a*).	
Section H1	
Blacklead, dry (*b*).	(*b*) For painting and preservation of cylinders in water cooled engines, and cylinder *heads* in air-cooled engines.
or	
Paint, prepared for use, black, enamel (*b*).	
Paint, prepared for use—	(*c*) For interior painting of A.F.Vs.
Aluminium, ammn., lead free (*c*).	
Khaki green, No. 3.	(*d*) Egypt and Palestine only.
Middle stone (B.S. colour, No. 62) (*d*).	(*e*) To be provided locally.
Red, bright, G.S.	
White, lead, G.S.	
Turpentine.	
Varnish—	
Black, brunswick.	
Carriage (*e*).	
M.T. Section 13	
Filler, general purpose.	

TABLE 3.—MATERIAL FOR PAINTING VEHICLE COVERS, HOODS, ETC.

Designation.	Oil linseed boiled.	Paint, prepared for use. Red bright G.S.	Paint, prepared for use. Service colour G.S.	Paint, prepared for use. White lead G.S.	Remarks.
Section D1	pts.	lb. oz.	lb. oz.	lb. oz.	
Covers, 6-ft. × 6-ft., Mk. III	4	—	1 8	—	
Section E1					
Covers—					
Adjustable, G.S. wagon	17½	—	7 8	—	
Cart—					
Maltese	10½	—	4 8	—	
Tip, G.S. ...	5½	—	2 4	—	
Wagon, limbered, G.S.	3	—	1 4	—	
Curtains, Mk. VI wagon ambulance **Hoods,** Mk. VI wagon ambulance ...	16	—	—	6 14	
Section KG					
Reels, hose, covers ...	5	2 0	—	—	
N.I.V.					
Ladders, curricle covers	7	3 0	—	—	

TABLE 4.—PAINT ALLOWED FOR MARKING

Nature of Marking.	No. of letters, etc.	Quantity of paint (*a*).	
		oz.	
Letters or figures 1½-in. type	200	1¼	
⅞-in. ,, ...	200	¾	
¾-in. ,, ...	200	⅝	
⅝-in. ,, ...	200	½	
½-in. ,, ...	200	⅜	
⅜-in. ,, ...	200	¼	
		Bright red (*b*).	White (*b*).
		lb. oz.	lb. oz.
Geneva cross—			
6 ft. ×4 ft. 3 in. ×1 ft. 3 in.	2	2 8	3 0
5 ft. 6 in. ×3 ft. 6 in. ×1 ft.	2	2 0	2 8
5 ft. 6 in. ×2 ft. 9 in. ×1 ft.	2	1 14	2 4
4 ft. ×3 ft. ×1 ft.	2	1 9	—
3 ft. 6 in. ×2 ft. 6 in. ×9 in.	2	1 0	—
1 ft. 8 in. ×1 ft. 8 in. ×6 in.	2	0 6	0 10
13¾ in. ×13¾ in. ×4½ in.	2	0 3½	0 3½
1 ft. ×1 ft. ×4 in.	2	0 2½	0 2½
10 in. ×9 in. ×3 in.	2	0 1½	0 1½
9 in. ×8 in. ×2¾ in.	2	0 1	0 1

N.B.—1 pint of turpentine for each lb. of paint will be allowed.

(*a*) Less than ¼ lb. paint will not be issued.

(*b*) For Geneva crosses on canvas covers the special red and white composition for canvas will be used.

On ambulance vehicles having covers of white material, the sectors between the arms of the cross will not be painted white.

APPENDIX 31

(*Referred to in para.* **224**)

METHOD OF STORING MOBILIZATION VEHICLES (H.T.)

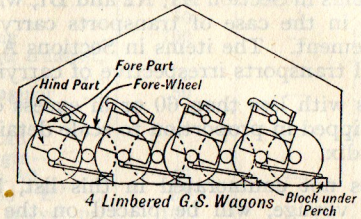


DIAGRAM No. 1.

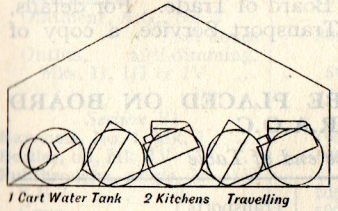


DIAGRAM No. 2.

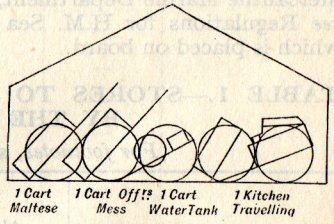


DIAGRAM No. 3.

NOTE.—In diagram No. 1 the fore part of the limbered G.S. wagon has its wheels and pole removed, the body is reversed and placed on the body of the hind part. The perch of the latter to be blocked up.

Where space will admit, G.S. vehicles will be stored on their wheels, but unless there is ample room for all the vehicles to be stored complete, with space to admit of their being easily cleaned and examined, they will be dismantled and stacked. No stack will exceed 8 feet in height. Poles of pole-draught vehicles will be removed and stored near by. In the case of vehicles which have a tendency to tilt on removal of the pole, care will be taken to lower the body gently on to pieces of wood and thus prevent damage.

In the remaining diagrams all pole-draught vehicles have their poles removed.

APPENDIX 32

(Referred to in paras. **144–146**)

NOTES.—1. Applicable to all transports and also to freight-ships carrying troops when issue is ordered by the War Office.

2. These scales are based on 2,500 men and, with the exceptions of items in Section A1, A2 and B1, will be adjusted proportionately in the case of transports carrying a smaller or larger complement. The items in Sections A1, A2 and B1 will apply to all transports irrespective of carrying capacity.

3. Transports with less than 60 or in excess of 80 hospital cots will be equipped in proportion to scale detailed in column 3 of this Appendix.

4. All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Sea Transport, Mercantile Marine Department, Board of Trade. For details, *see* Regulations for H.M. Sea Transport Service, a copy of which is placed on board.

TABLE 1.—STORES TO BE PLACED ON BOARD BY THE R.A.O.C.

For footnotes, see end of Table

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Section A1			
Bags, ration	50	—	
Belts, waist, W.E. patt. '37	50	—	
Bottles, water, Mk. VI ...	50	—	
Braces, W.E., patt. '37—			
Left	50	—	
Right	50	—	
Bugles	2	—	
Carriers, water-bottle, W.E., patt. '37	50	—	
Frogs, bayonet, W.E., patt. '37	100	—	
Haversacks, W.E., patt. '37	50	—	
Helmets, steel, Mk. II ...	50	—	
Packs	50	—	
Pouches, basic, W.E., patt. '37	100	—	Infantry only.
Slings, rifle, web	100	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Section A1—continued			
Straps—			
Shoulder, haversack, W.E., patt. '37—			
Left	50	—	
Right	50	—	
Web, supporting ...	100	—	
Strings, bugle and trumpet, green	2	—	
Tins, mess, rectangular ...	50	—	
Section A2			
Respirators, anti-gas—			
Facepieces, Mk. VI ...	50	—	
Containers, type "E" ...	50	—	(*a*)
Detectors, gas, sleeve pr.	100	—	
Eyeshields, packet ...	50	—	
Haversacks	50	—	
Ointment, A.G., No. 2 set boxes	300	—	(*b*)
Outfits, anti-dimming, Mks. II, III or IV ...	50	—	
Section B1			
Bayonets, No. 1, Mk. I ...	100	—	
Bottles, oil, Mk. IV ...	100	—	
Pullthroughs, single, Mk. IV "B"	100	—	
Gauze	100	—	
Rifles, No. 1, Mk. III (or III*)	100	—	(*b*)
Scabbards, bayonet, No. 1, Mk. II	100	—	
Section B3			
Flannelette	—	—	72 yds. each month during period of voyage.
Section F			
Pliers, side-cutting—			
6-in. ... ... pr.	5	—	For fixing facepieces, respirators, anti-gas.
7-in. ... ... ,,	30	—	
Section H1			
Chalk, prepared ... boxes	12	—	6 coloured, 6 white.
Oil, M.80 or "A" ... gal.	5	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Section H2			
Cotton, waste ... lb.	112	—	(*p*)
Soap—			
Marine (*m*)	—	—	
Yellow ... ... bars	—	72	
Section H2 (N.I.V.)			
Lashings (2 fathoms long)	20 (*aa*)	—	
Section KA			
Boards, bedhead	—	60	
Baskets, waste paper (wire)	5	—	
Blackboards	12	—	
Easels	12	—	
Rests, bed	—	4	
Sponges, bath	—	2	
Trays, letter	10	—	For orderly room.
Warmers—			
Stomach	—	4	
Covers	—	4	
Section KC			
Cloths—			
Bedpan	—	20	
Distinctive	—	20	
Medicine	—	20	
Clubs, 1½-lb.	30	—	
Games—			
Chess boards	5	2	
Men ... ... set	5	2	
Dominoes ... ,,	20	2	
Draughtsmen, boards ...	20	4	
Men ... ... set	20	4	
Gloves, boxing ... pr.	40	—	
Pillows, feather	—	12	
Stretchers, ambulance ...	—	12	(*u*)
Towels—			
Bath	—	200	
Roller	—	50	
Terry, hand	—	400	
Turkish	12	—	Freight ships only.
Section KC (N.I.V.)			
Games—			
Boards, shove-halfpenny	20	—	
Counters (set of 5) set	20	—	
Cards, playing packs ...	500	—	
Dart boards	12	4	
Darts ... ... set	96	32	
Medicine balls	40	—	
Punch pads	40	—	
Ropes, skipping	80	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Section KC (N.I.V.)— continued			
Sticks—			
Ash or bamboo	20	—	
Bayonet fighting	50	—	*See* S.A.T., Vol.I.
Tabs	—	50	(*t*)
Section KD			
Inhalers, Mk. III	—	8	
Measures, glass, 4-oz. ...	—	8	
Warmers, foot	—	4	
Section KE			
Boxes—			
Cash	5	—	For orderly room.
Dressing	—	4	
Brushes—			
Bedpan	—	4	
Feeder	—	4	
W.C.	—	4	
Cradles, fracture	—	4	
Disinfectors, Spray, Mk. II	—	2	
Section KE (N.I.V.)			
Sprayers, four oaks, Maney, hand	2	—	(*s*)
Section KF			
Clippers, hair	10	2	
Corkscrews	—	4	
Picks, ice	—	2	
Scissors, hair-cutting ...	10	2	
Section Q1			
Cartridges—			
Small arm, ball, ·303-in., Mk. VII	5,000	—	(*c*)
·303-in., D, Mk. IV ...	100	—	With minimum of 50.
Section Q2			
Grenades—			
No. 36M, drill	48	—	With minimum of 12.
No. 69 (instructional) ...	102	—	With minimum of 34.
Detonators, drill, No. 36M...	48	—	With minimum of 12.
Section T2			
Mines, A/T—			
Mk. II empty, fuze inert	10 (*aa*)	—	
Mk. IV ,, ,, ,,	10 (*aa*)	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Section T2—continued			
Booby Traps Mechanisms—			
Push type...	2 (*aa*)	—	
Pull type	2 (*aa*)	—	
Release type	2 (*aa*)	—	
Igniters, safety fuze, percussion	2 (*aa*)	—	
Trip wire ... ... (yds.)	10 (*aa*)	—	
Trap wire ... ... (,,)	10 (*aa*)	—	
Section V2			
Protractors, rectangular, ivorine " A ", Mk. IV ...	12	—	(*q*)
Rulers, 12-in.	4	—	(*q*)
Section V6			
Spectacles, tinted, No. 3 ...	40 (*aa*)	—	
Section W2			
Batteries, dry torch, Mk. I	10	—	For medical officers.
,, (spare)	10	—	
Bulbs, 3·5-volt " P " ...	10	—	
,, ,, (spare)	5	—	
Cable, Electric, D.3 Single (U) or **Cable,** Electric, D.8 Single (U) ... ... (miles)	1	—	(*y*)
Cells, dry X, Mk. II *or* inert, S Mk. II	180 (*aa*)	—	
Drums, cable, No. 5 ...	1 (*aa*)		
Tape, rubber, jointing, fawn, tins (expendable) ...	12 (*aa*)	—	
Torches, hand, Mk. I ...	10	—	For medical officers.
Section Y			
Buzzers, signalling, training	25 (*aa*)	—	
Flags, sig., Army, Mk. II—			
Blue, small	10 (*aa*)	—	
White, striped small ...	10 (*aa*)	—	
Poles, 3-ft. 6-in.	30 (*aa*)	—	
Fullerphones, Mk. IV* ...	20 (*aa*)	—	
Lamps, S.D. S.R. (D.S.) ...	2 (*aa*)	—	
Stands, lamp or helio " A " Mk. III	2 (*aa*)	—	
Telephones, sets D, Mk. V	8 (*aa*)	—	
R.E. Supply			
Discs, aiming	100	—	With minimum of 10.
Landscapes, Targets (preferably of country to which drafts are proceeding) ...	25	—	
Representative targets, 200/25 yds.	50 (*aa*)	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
R.A.S.C. Supply			
Formaldehyde, Winchester, qt. bottles	—	4	
G.S.G.S. (War Office) Supply			
Maps, small scale (for general study)	50	—	
Maps (for training) (*bb*)—			
Middle East G.S.G.S. 4108	17	—	
India G.S.G.S. 2957 (33 N. India)	17	—	
Far East G.S.G.S. 2957 (46 Malaya)	17	—	
G.S.G.S. 4078—			
Sheet 1, Haifa 1/100,000	15	—	
Sheet 7, Jaffa	15	—	
G.S.G.S. 3853 Cairo— 1/50,000	15	—	
G.S.G.S. 4086 Sheet C. Mersa Matruh	15	—	
G.S.G.S. 2871 Africa 1/2,000,000—			
Egypt H.I. 36–37 ...	15	—	
Cyrenaica	15	—	
Tunisia	15	—	
Libyan Desert ...	15	—	
G.S.G.S. 4231 Libya 1/500,000 (sheet 2 Tripoli, 3/9 Misurata, 14 Tobruch)	45 (*g*)	—	
G.S.G.S. 3977 Cyrenaica 1/400,000(sheet 2 Derna)	15	—	
G.S.G.S. 4076 Cyrenaica 1/100,000 (sheet 12 Benghazi)	15	—	
G.S.G.S. 3932 Amman 1/500,000 (includes Palestine)	15	—	
G.S.G.S. 3954—			
Rutba 1/500,000 ...	15	—	
Basra	15	—	
Baghdad	15	—	
G.S.G.S. 3952 Johore 1/250,000	15	—	
G.S.G.S. 4203 Singapore and Johore, 1-in.=1 mile. Sheet 3L/11, 12, 15 and 16. Singapore Island	15	—	
G.S.G.S. 4218 Thailand, 1-in. = 1 mile. Sheet B—47K	15	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Section N1 (N.I.V.)			
Models of 25-pr. buffer and recuperator	4	—	(*q*)
Clothing Vocabulary Items			
Aprons—			
Cooks	3	—	Each cook.
Dispensers	—	6	
Duck	72	—	(*l*)
Armlets—			
Baggage Master	4	—	
Dark blue	20	—	(*z*)
Embarkation and Transportation duties ...	55	—	
Messing Officer	4	—	
M.P.	—	—	1 per cent. of troops.
Ships Adjutant	4	—	
Ships Quartermaster ...	4	—	
Blouses, battle dress ...	25	—	(*e*)
Bonnets, tam o' Shanter Scottish Regts.	25	—	
Boots, rubber, knee... pr.	40	—	
Braces ... ... ,,	60	—	(*e*)
Brushes—			
Hair	60	—	(*e*)
Shaving	60	—	(*e*)
Tooth	125	—	(*e*)
Cap comforters	60	—	(*e*)
Caps, F.S.	60	—	(*e*)
Chevrons, worsted, S.D.—			
1-bar	25	—	(*i*)
2-bar	25	—	(*i*)
3-bar	20	—	(*i*)
Combs, hair	60	—	(*e*)
Crowns, gilding, metal, S.D. (or embroidered) ...	10	—	(*i*)
Crown in wreath, gilding, metal, S.D. (or embroidered)	30	—	(*i*)
Royal Arms, gilding, metal, S.D. (or embroidered) ...	10	—	(*i*)
Drawers—			
Cellular, short ... pr.	125	—	(*e*)
Flannel, hospital ,,	—	24	
Woollen ... ... ,,	250	—	(*f*)
Forks	125	—	(*e*)
Frocks, cotton	24	—	(*k*)
Gowns, serge, unlined ...	—	12	
Handkerchiefs	—	100	
Helmets, universal, khaki ...	250	—	(*e*)

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Clothing Vocabulary Items—continued			
Housewives	60	—	(*e*)
Jackets—			
Khaki, drill	60	—	(*e*)
Oilskin	40	—	(*h*)
Pyjama	—	100	
Serge, unlined	—	50	
Knives, table	125	—	(*e*)
Overalls, nursing, orderlies	—	18	
Razors, safety	125	—	(*e*)
Shirts—			
Angola, drab	250	—	(*e*)
Calico, hospital	—	150	
Tropical	60	—	(*e*)
Shoes, canvas ... pr.	500	—	(*e*)
Shorts, gymnasia, P.T. kit	125	—	
Socks, worsted ... pr.	250	150	(*e*)
Sou-wester, oilskin	40	—	(*h*)
Sleeves, dispensers ... pr.	—	6	
Spoons	60	—	(*e*)
Towels, hand	125	—	(*e*)
Trousers—			
Battle dress ... pr.	25	—	(*e*)
Cotton ... ... ,,	72	—	(*l*)
Duck ... ... ,,	3	—	Each cook.
Khaki, drill (*r*) ... ,,	60	—	(*e*)
Oilskin ... ... ,,	40	—	(*h*)
Pyjama ... ... ,,	—	100	
Serge, unlined	—	50	
Vests—			
Cotton, gymnasia, P.T. kit	125	—	
Flannel, white	—	150	
Woollen (*f*)	250	—	
Waistcoats, straight ...	—	2	

In addition, the following will be provided for venereal cases and marked V.

Drawers, flannel, hospital pr.	—	100	
Handkerchiefs	—	100	
Jackets, serge, unlined ...	—	40	
Shirts, calico, hospital ...	—	100	
Socks, worsted ... pr.	—	40	
Towels, hand, Turkish ...	—	100	
Trousers, serge, unlined ...	—	40	
Vests, flannel	—	100	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Books and Periodicals			
Bibles	100	—	
Books, library, volumes (*v*)	500	—	
Hymn books—			
Ancient and Modern (with music)	4	—	
R.C.	500	—	
Periodicals	—	—	As available.
Prayer Books—			
Church of England ...	100	—	
Methodist	50	—	
Presbyterian	50	—	
Roman Catholic	50	—	
Scottish service book ...	500	—	
Simple form of prayer ...	500	—	
Regulations, All Arms			
Allowance Regulations ...	1	—	
Army List, Monthly ...	1	—	
Army Orders, Monthly, complete with all publications issued with Army Orders	1	—	
Army Training Instructions set	1 (*dd*)	—	
Army Training Memoranda	2	—	
Circular Memorandum on Field General Courts-Martial on Active Service in the U.K.	1	—	
Clothing Regulations, War	1	—	
Employment of Air Forces with the Army in the Field	2	—	
Equipment Regulations, Part I	1	—	
Field Service Pocket Book ...	4	—	
Field Service Regulations—			
Vol. I	4	—	
Vol. II	4	—	
Vol. III	4	—	
Financial Instructions ...	1	—	
Instructions for Master of Transports	1	—	(*j*)
Instructions for Master of Freightships	1	—	(*j*)
Instructions relating to the conveyance of Army Personnel and Baggage ...	1	—	
King's Regulations	1	—	
Manual of Military Law ...	1	—	
Manual of Protection Against Gas and Air Raids ...	6	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Regulations, All Arms—continued			
Manual of Map Reading, Photo Reading and Field Sketching	10	—	
Military Intelligence in the Field	4	—	
Military Training Pamphlets set	3 (*dd*)	—	
Notes on Map Reading ...	10	—	
Orders for Os.C. ships used for carrying prisoners of war, enemy merchant seamen or internees ...	1	—	
Pay Duties Manual	1	—	
Regulations for H.M. Sea Transport Service ...	1	—	(*j*)
Royal Warrant for Pay ...	1	—	
Small Arm Training, Vol. I (all pamphlets)	10	—	
The Officer and Fighting Efficiency	2	—	
Training on Board Troopships on Long Sea Voyages	10	—	
Voyage Regulations ...	1	—	
R.A. Series			
Artillery Training, Vol I ...	12	—	
Artillery Training, Vol. II, supplements	12	—	
New procedure for Lines of Fire and fixation of fire control	12	—	
Range tables—			
25-pdr.	6	—	
6-in How.	6	—	
Silhouettes of enemy aircraft, hostile tanks and our own tanks	4	—	
R.E. Series			
Engineer Training—			
Part I, 1940	5	—	
Part II, 1937	5	—	
Field Engineering Pamphlets 1, 2, 6, 7, 8, 8A, 9, 10 and 30 (Part V) ... ... each	5	—	
Field Service message book...	8	—	
R.E. Pocket Book (complete)	1	—	
Infantry Series			
Infantry section, leading ...	30	—	
Infantry, Training	10	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Mechanical Transport Training Series			
Care and Maintenance of Carriers 1941	12	—	
Inspection, Maintenance and Care of Army Vehicles (Wheeled), 1941	12	—	
Manual on Driving and Maintenance of Mechanical Vehicles (Wheeled 1937)...	12	—	
R.A.S.C. Training—			
Vol. I	5	—	
Vol. III	5	—	
R.A.S.C. Training Pamphlets each	5	—	
Regulations for the Supply, Transport and Barracks Services	1	—	
Wall Diagram ... sets	1	—	
R.A.O.C.			
Ordnance Manual, War ...	12	—	
Army Forms (aa)			
A.F. B 5013. Infantry signallers record sheet ...	25	—	
A.F. B 5013A. Royal Artillery signallers record sheet	25	—	
A.F. C 2128. Message Forms (white), pads of 100 (pads)	500	—	
Physical Training			
Fitness chart (" Fougasse ") sets	3	—	
Physical and Recreational Training, 1941	1	—	
Manuals, Posters, Pamphlets, etc.			
Aircraft Recognition—			
Wall Charts ... sets	5	—	
Pamphlets	10	—	
Camouflage posters ... sets	2	—	
Electricity and Wireless. Notes for twelve lectures on electricity and magnetism in their relation to wireless (1942)	12	—	
Posters " Smash theirs not ours " series ... copies	2	—	

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Manuals, Posters, Pamphlets, etc.—continued			
I.T. Signal Procedure 1941	10	—	
Signal Training (All Arms), 1938 ... ... *or* **Signal Training,** All Arms, Pamphlets Nos. 1 to 10	12	—	
Supplements 1, 2, 3 to I.T. 1937 ... ... copies	10	—	
Weapon Training Memos, complete series copies	10	—	
Intelligence Training (cc)			
Facsimiles of German Pay-books	50	—	
German Armd. Formations in Action	10	—	
Handbook of Enemy Ammunition, Pamphlet No. 2 ...	5	—	
More Pictures of the German Army, No. 41 (Arms and Equipment)	20	—	
Notes on Enemy Army Identifications, Italy, Oct. 1941	20	—	
Notes on the German Air Force—Air Ministry Publication No. 1928, Oct. 1941	2	—	
Periodic Notes on the German Army—			
No. 21 (Identifications) ...	20	—	
No. 28	20	—	
No. 34	20	—	
No. 35 (Tactics and Organization)	20	—	
No. 36 (Armd. Formations)	20	—	
Popular Guides to the German Army	25	—	
Stationery, etc.			
A.F. W 3078 (active service envelopes)...	4,000	—	
Duplicator, Flat, Ellams (with necessaries) ...	1	—	
Machines, typewriting, brief size	2	—	
Stationery	(*x*)	—	(*w*)

TABLE 1—*continued*

Designation.	All transports.	Transports equipped with 60 to 80 hospital cots.	Remarks.
Miscellaneous			
"Comforts" and additional recreational stores—			
Gramophones—			
Needles			Will be placed on transports under arrangements to be made by War Office from available supplies.
Records...			
Harmonicas			
Mouth Organs, etc. ...			
Wall Maps—			
"Europe"	1	—	(*w*)
"The World"	1	—	(*w*)

(*a*) With tools detaching, adhesive tape and wire binding for fixing facepieces.

(*b*) The mineral jelly will be removed from the bores before the rifles are placed on board.

(*c*) Complete boxes only to be shipped.

(*d*) For use of military personnel of shelter deck cleaning party.

(*e*) For issue on payment to troops requiring replacements owing to loss or deficiency (*see* para. **147**).

(*f*) For issue on repayment in replacement of losses to troops coming home from a station where these articles are included in the scale. For issue free to troops coming home from a station where the scale does not include these articles and no issue has been made before embarkation.

(*g*) 15 copies of 3 sheets.

(*h*) For each ship with exposed sentry posts.

(*i*) For use of personnel posted for duty on the transport (*see also* para. **70**, War Clothing Regulations, 1941).

(*j*) To be obtained from the Director of Sea Transport, Mercantile Marine Department, Board of Trade.

(*k*) For use of family mess stewards.

(*l*) For use of men employed in cookhouse fatigue.

(*m*) All ranks, 1 tablet each every fortnight, except troopships proceeding to Iceland (C) and Faroes.

(*n*) As required.

(*o*) Each officer, W.O., N.C.O. and man.

(*p*) Anti-Gas Training Stores. For replacement of personal Anti-Gas items expended on training.

(*q*) Training stores R.A. units.

(*r*) Will be replaced by shorts K.D. when stocks of trousers are exhausted.

(*s*) 2 every 100 all ranks for transports calling at West African Ports (Anti-Malarial spray will be supplied by E.S.Os.).

(*t*) For marking blankets used in infectious cases.

(*u*) Stretchers (up to maximum of 12) will be placed on board transports not provided with hospital accommodation.

TABLE 1—*continued*

(*v*) The following books will be included in the library of all transports and will be considered as part of the full entitlement of books. The balance of entitlement will be fiction.

Steel Chariots in the Desert	S. C. Rolls	(Cape).
Allenby	Wavell	(Cape).
Lawrence and the Arabs	T. E. Lawrence	(Cape).
Egypt and the Army	Elgood	(Oxford).
Egypt (Modern World Series)	Young	(Nenn).
Orientations	Storrs	(Cape).
Mediterranean Problem	East	(Nelson).
The Nile in Egypt: The Life Story of a River	Ludwig	(Allen & Unwin).
Egypt since Cromer (2 volumes)	Lloyd	(Macmillan).
Military Operations, Macedonia (2 volumes)	Falls	(Macmillan).
The River War (1 volume)	Churchill	(Longman).
The Island of Zeus (Crete)	Brewster	(Duckworth).
Eothen	Kinglake	(Oxford).
Steady Drummer (Greece)	Casson	(Bell).
Slouch Hat (Greece)	Burr	(Allen & Unwin).
Forth Centuries Look Down (novel with military background)	Austin	(Butterworth).
Aegean Memories	Mackenzie	(Chatto).
Colloquial Arabic (*w*) (10 copies)	O'Leary	(Luzac & Co.).
Domestic Hindustani (*w*) (10 copies)	Phillott	(Kegan Paul).
French Book for Soldiers (*w*) (10 copies)	—	(H.M.S.O.).
Whitakers Almanack (*w*) (1 copy)	—	—
Battle of Duffers Drift (2 copies)	Swinton	(Clowes).
Battle of Bowlers Bridge (2 copies)	H. E. Graham	(Clowes).
Lies as Allies (1 copy)	Viscount Maugham	(Oxford U.P.).
Fifth Column (1 copy)	J. Langdon Davies	(John Murray).
Oxford War Atlas (3 copies)	J. H. Stumbridge	(Oxford U.P.).

The 500 volume library will be increased by sets of 100 volumes in following circumstances :—

(i) 1 set for transports of 2,500 embarked personnel if on long sea voyage.

(ii) 1 set for each 500 personnel embarking in excess of 2,500.

(*w*) Educational Stores.

(*x*) 50 per cent. of Allowance Regulations, 1938, para. 645, Scale E.

(*y*) For training linemen, R. Signals and regimental signallers in jointing cables. To be mounted on suitable drums if available.

(*z*) For issue to maritime A.A., R.A. gunners.

(*aa*) General Training Stores, *see* "Training of Troops on board Troop ships."

(*bb*) Issued only to Transports in W.S. convoys.

(*cc*) Security Documents to be safeguarded under instructions by O.C. Troops.

(*dd*) Various training memoranda and instructions applicable to overseas theatres of war will be placed on board ship under War Office (M.T.1 (U.S. Pubs.) arrangements.

TABLE 2.—HIRED TRANSPORTS AND FREIGHTSHIPS

CONVEYING HORSES OR MULES

Stores to be placed on board by the R.A.O.C.

NOTE.—All horse gear and horse fittings not included in the following list will be supplied under arrangements to be made by the Director of Sea Transport, Mercantile Marine Department, Board of Trade. For detail, *see* the Board of Trade Sea Transport Regulations, a copy of which is placed on board, under **Table 1.**

Designation.	In "Transports" and "Freightships conveying animals accompanying units."	In "Remount Freightships."
Section B2		
Cases, horse-killer, ·310-in., Mk. I* ...	1 each ship.	1 each ship.
Horse-killers, ·310-in., Mk. I		
Pistols, revolver, No. 1—		
Rods, cleaning, No. 2, Mk. I		
Section D1		
Clippers, horse	4 every 100 animals.	Supplied by shipowners.
Machines, horse-clipping	1 each vessel when the number of animals shipped does not exceed 200.	Clippers, horse, supplied by shipowners.
	2 each vessel when the number of animals exceeds 200.	
Section D2		
Nails, horseshoe ... sets	40 every 100 animals.	40 every 100 animals.
Shoes, horse ... ,,	5 every 100 horses (sizes as required).	5 every 100 horses (sizes as required).
Shoes, mule ... ,,	5 every 100 mules (sizes as required).	5 every 100 mules (sizes as required).
Section F		
Farriers tools ... sets	3 each ship.	1 every 100 animals or less.
Section KE		
Machines, chaff-cutting ...	1 every 200 animals or less.	Nil.
Section Q1		
Cartridges, small arm, ball, ·310-in., Mk. Iz ...	50 each ship.	50 each ship.

TABLE 2—*continued*

Designation.	In "Transports" and "Freightships conveying animals accompanying units."	In "Remount Freightships."
N.I.V.		
Corn crushers	1 each ship.	Nil.
Veterinary Stores		
Field Veterinary chest, "Officers" (*a*) (*b*) ...	1 each ship.	1 each ship.
Veterinary chest, H.T. (*b*)	1 each ship.	1 each ship.
Oil, linseed (pints 40) (*b*) drums	1 each ship.	1 each ship.

(*a*) Only when a veterinary officer accompanies the animals.
(*b*) To be demanded from Army Veterinary Stores, Woolwich.

TABLE 3.—ADDITIONAL CLOTHING

Stores to be placed on board by the R.A.O.C.

NOTE.—The following items are additional to those shown in **Table 1** and will only be used for the venereal cases referred to in Voyage Regulations, 1935, para. 190. Each article will be distinctively marked with the letter "V".

Designation.	Indian, Far East and West Indies voyages. Each transport.	Mediterranean voyages. Each transport.	Remarks.
Section CC			
Drawers, flannel, hospital pr.	120	50	
Shirts, calico, hospital ...	120	50	
Socks, brown, hospital pr.	40	20	
Towels, hand, Turkish ...	120	50	
Vests, flannel	120	50	
Section CE			
Handkerchiefs	120	50	
Jackets, serge, unlined ...	40	20	
Ties, red	40	20	
Trousers, serge, unlined pr.	40	20	
Waistcoats, serge, unlined...	40	20	

APPENDIX 33

(*Referred to in para.* **351**)

REPAIR OF FIELD RANGEFINDERS AND OTHER OPTICAL INSTRUMENTS

1. All rangefinders and other optical instruments in possession of units will be inspected annually by the R.A.O.C. in accordance with Regulations for Army Ordnance Services, Part I, 1937, para. 777.

2. All rangefinders in possession of units will be tested half-yearly under the superintendence of a fully qualified unit officer in accordance with the instructions for testing laid down in the handbook of the rangefinder concerned. One of these half-yearly tests should take place just before the annual R.A.O.C. inspection mentioned in paragraph 1 above, to enable recent performances, all defects noted by the unit, and any doubtful points, to be brought to the notice of an O.M.E.

3. Such minor repairs or adjustments to optical instruments as are approved to be undertaken by the unit will be carried out under unit arrangements (*see* the handbook of the rangefinder concerned; and for certain other instruments, *see* Instructions for Armourers, Part V).

4. Such repair or adjustments as are not approved to be carried out by the unit will be dealt with by the R.A.O.C. In these cases A.F. G 1045 will be forwarded, in triplicate, to the S.O.M.E. showing the nature of the repair required.

5. When the repairs cannot be carried out in command workshops by the R.A.O.C., the defective instruments will be forwarded to C.O.O., Royal Arsenal, Woolwich, by the O.O. The unit will be instructed to indent for instruments in replacement.

6. In all cases the registered numbers of the instruments concerned will be quoted on vouchers, indents and correspondence.

APPENDIX 34

(*Referred to in para.* **67**)

OPTICAL INSTRUMENTS—INSTRUCTIONS FOR PACKING

With Instrument Cases

When despatched by road within the United Kingdom.

1. (*a*) Each instrument must be packed carefully in its own case.

(*b*) With computing instruments, such as predictors and kine-theodolites, care must be taken to ensure that the dials are *not* set to stops and that the operating hand wheels are tied together to prevent undue strain of the mechanical gears during transit.

(*c*) A label, R51, which states that the package—

(i) Must be kept " This side up "
(ii) Contains " Fragile instruments "
(iii) Must be " Handled with great care " will be affixed to the top of each instrument case.

When despatched by rail within the United Kingdom.

2. (*a*) The instructions contained in sub-paras. **1** (*a*) and **1** (*b*) above will be complied with, and in addition the instrument cases will be wrapped in waterproof paper, with the top uppermost and a label R51 affixed.

(*b*) The case will then be placed, top uppermost, in a wood packing case sufficiently large to allow four to eight inches of wood wool packing between them.

(*c*) Two or three small instrument cases with four inches of wood wool packing between them may be so placed in one packing case.

(*d*) A label R51 must be affixed to the top of the wood packing case.

When despatched to and from stations abroad.

3. (*a*) The instructions contained in para. **2** above will be adhered to, but the packing case will be tin lined.

(*b*) With the larger optical instruments not supplied with desiccators (*e.g.* predictors, height and rangefinders, kine-theodolites) small desiccating units of silica gel will be fixed in the instrument cases before packing.

(*c*) Satisfactory desiccating units may be made by filling suitable flat tin boxes, with 2 oz. of silica gel, the boxes must be closed by well-fitted lids. This quantity of gel is sufficient to dry 10 cu. ft. of air space. The boxes and lids must be perforated extensively with small holes (diameter approx. $\frac{1}{20}$-in.).

(*d*) Immediately before being placed in the instrument case, the tin box containing the silica gel should be heated in an oven at a temperature of 250-degrees Fahrenheit for two hours and then cooled to normal temperature.

Without Instrument Cases

When despatched by rail or road within the United Kingdom and to and from stations abroad.

4. (*a*) The instrument will be packed in a suitable packing case provided with fittings to prevent movement. The case, right way up, will be packed in a second case as described in para. 2 of this Appendix.

(*b*) All loose optical glass stores, *e.g.* prisms, lenses, small mirrors, glass spirit bubbles, etc., will be packed as follows :—

(i) Wrapped in tissue paper.
(ii) Wrapped with cotton wool two to four inches in thickness.
(iii) Wrapped in waterproof paper.
(iv) Packed in a wood packing case the size of which must allow of sufficient wood wool packing being inserted between the waterproof paper and the packing case.
(v) A label R51 must be affixed to the top of each packing case.

APPENDIX 35

(*Referred to in para.* 412)

OPTICAL LANTERNS, SCREENS AND FRAMES AUTHORIZED TO BE HELD BY COMMANDS

Commands.	Lanterns.*	Screens.†	Frames.†
Aldershot	18	18	18
Eastern (including London District)	32	32	32
Northern	10	10	10
Scottish	7	7	7
Southern	16	16	16
Western	10	10	10
Guernsey	1	1	1
Jersey	1	1	1
N. Ireland	5	5	5
Bermuda	1	1	1
Ceylon	1	1	1
China	2	2	2
Egypt	5	5	5
Gibraltar	2	2	2
Jamaica	1	1	1
Malaya	1	1	1
Malta	2	2	2
Mauritius	1	1	1

* An annual expenditure not exceeding 19*s.* is approved for the maintenance of each optical lantern held on charge. All relative stores will be obtained through the R.A.O.C. and the value debited against this monetary allowance.

† To be made locally at a total cost not exceeding £2 for a complete screen and frame.

APPENDIX 36

(*Referred to in para.* 412)

INSTRUCTIONS FOR THE MANIPULATION OF OPTICAL LANTERNS

A.—The Electric Lantern. B.—The Acetylene Lantern.

A.—The Electric Lantern

1. *The Arc, parallel type.*

The following procedure will be adopted :—

(*a*) Connect resistance with the arc lamp.

(*b*) Place carbons in holders, making sure that they are of equal length. For direct current one large (diameter 6 mm.) and one small (diameter 5 mm.) carbons will be used. For alternating current two 5 mm. carbons are necessary.

(*c*) Place plug in ordinary lamp holder of hall supply.

(*d*) To light lamp, switch on the current and very lightly touch the points of both carbons simultaneously with a spare piece of carbon, and draw it away rapidly.

NOTE.—See that the points of the carbons are well in advance of the porcelain plate.

(*e*) *Fixing Wires.*—The wire from the positive pole will be fitted to the terminal connected with the larger (or 6 mm.) carbon, otherwise the carbons will burn unevenly.

To ascertain which is the positive pole, light the lamp, let it burn for a few minutes, blow out and note which carbon remains red hot the longest ; if the small carbon, then the connections are wrong, and will be reversed.

(*f*) *Adjustment of carbons.*—The carbons will be fed regularly to keep the ends even with the wire guards fixed to the stone block. The space allowed for air resistance has been carefully calculated, therefore if the carbons are too far forward they will be too close together, and the arc may break between them. Further, if they are allowed to burn back into the stone block the heat will split it. Such an accident, however, does not impair the working of the lamp, as it may be repaired temporarily by binding it with a piece of wire.

2. Lenses.

Objective Lens.

It will be kept out of the lantern in a safe place, except when required for use.

To strip the objective lens for cleaning purposes, unscrew only one component at a time. After cleaning, replace.

The second component can then be unscrewed, cleaned and replaced.

This care is necessary if misplacement of component parts is to be avoided.

In replacing the components, great care must be taken to replace each one so that its most convex side faces the screen.

The components of the objective lens will be cleaned carefully and polished with a clean, dry, soft cloth immediately before using. They must not be breathed on during cleaning.

Condensers

They should be cleaned and polished in the same manner as the objective lenses.

In replacing the condensers into their mount, care must be taken to see that the convex sides face each other.

NOTE.—To ensure the projection of a clear picture, the illuminant in use will be lit 10 minutes before the lecture commences. This procedure allows the beam of light to pass through the condenser and objective lenses. Any moisture that may have collected will be dispersed.

B. The Acetylene Lantern

Preparation of the Generator.

Lift out the gas bell with the left hand, and with the right remove the carbide container from the centre of the bell. To do this, unscrew the milled head on the inside of the bell, then a turn to the right will release it from the bayonet catch, and the container can be withdrawn.

Lift out from the container the vertical rod on which 10 loose cells are threaded, and distribute a charge of pure carbide of calcium, $\frac{1}{2}$-in. gauge ($1\frac{1}{2}$-lb. to $1\frac{3}{4}$-lb.) equally among the 10 cells.

Lower the rod and cells into the container, replace the container in the bell, turning it to the left so as to fasten it in the bayonet catch, then screw the milled head so as to clamp the container to the inside of the bell.

Fill the outer chamber of the generator with water to within $\frac{1}{4}$ in. of the top rim, taking great care not to let any water run down the two upright tubes.

Before placing the bell in the water, all connections will be made, *i.e.*—

(*a*) The purifier will be put on the nozzle of the generator.
(*b*) The flexible tube will be fitted on to generator and also the 4-burner jet.
(*c*) The taps of the jet will be turned on.

The tap of the generator will then be turned off and the bell placed in the water, care being taken to see that the large and small tubes in the bell fit over the large and small tubes in the water vessel.

Having placed the bell in the water vessel, allow it to sink unaided until it stops automatically. This operation allows the air to escape through the nipples of the jet.

Lighting up

When it is desired to light up, turn on the tap of the generator; the bell will sink a little lower, and the water will find its way to the carbide. Allow the gas to generate for about half a minute, then light up in the usual way. It will be found that the first lot of gas generated gives a very poor light; this is due to the air left in the bell, which mixes with the gas and dilutes it; this gas will be used for testing and centring the jet, etc., before starting an exhibition. After the bell has gone down and has come up again the light will be at its best, and will remain so till all the carbide is exhausted.

Stopping for an interval

If you wish to stop the generation of the gas for an interval, inspect the generator and see the position of the bell: if it is fairly out of the water turn off the tap at the generator; if it is low in the water wait a moment or two until the bell rises before turning off the tap at the generator; it will be found that the gas continues burning, then turn out two of the burners at the jet, and allow the gas to burn itself out through the remaining two burners. When the light is out, turn off the other two taps of the jet. You may then leave it safely for any length of time. To re-commence, turn on the tap at the generator, and then turn on the taps at the jet and light up.

Cleaning the Generator after use

After use remove the carbide cells; any dry carbide remaining will be returned to the tin for future use, but any that has been wetted must be thrown away.

At the side of the container is a flattened tube open at the top, having a hole in the outer side about 3½-in. from the top, and other holes on the inside near the bottom, through which

the water passes to reach the carbide. See that this tube does not get choked; should it do so it can easily be washed out with water, or, if necessary, a wire pushed down to clear it.

Thoroughly dry all parts of the apparatus, taking care that the outer water vessel is turned upside down so as to drain the water out of the tubes. If at any time these tubes should get blocked by rust, it is only necessary to unscrew the plugs underneath the generator and clear the obstruction, replacing the plugs with a little white lead to make a good gas-tight joint. This will be done at the beginning of each season.

Re-charging

Should it be necessary to re-charge the generator during the evening, carry it out of the room, and have a spare container and cells ready to replace those used. A little water should also be ready to replenish the generator.

NOTE.—Care will be taken after unpacking the generator to see that none of the packing material has got in the tubes or tap of the generator.

When the generator has been charged do not place it directly underneath the lantern, but place it well to the front of it.

While the apparatus is working, it requires no attention whatever, so that the whole of the operator's attention can be given to inserting the slides.

If the generator is only required for a half-hour lecture, always fully charge it, as the weight makes a difference to the quality of the light.

It is very important that the right kind of carbide be used; always charge the generator with pure ½-in. gauge carbide, and on no account must chemically-treated carbide be used.

It will be noticed that though long printed directions appear to make the manipulation complicated, it is really simplicity itself. Apart from the mere putting in of the carbide and the water, it simply comes to this: when required to light up, turn on the generator tap, and at all other times keep it turned off.

APPENDIX 37

(Referred to in para. 385)

DRAWING INSTRUMENTS FOR USE IN GENERAL STAFF OFFICES

Designation.	No.	Remarks.
Section F		
Brushes, paint, 1 knot, 3-oz.	2	
Scissors, paperhangers pr.	1	
Section V2		
Boards, drawing, imperial	1	
Boards, sketching, common	1	
Boards, sketching, Mk. IV	1	
Compasses, magnetic, plane table, Mk. II	1	
Compasses, prismatic, Mk. VIII (*a*)	1	
Compasses, proportional, 6-in.	1	
Instruments, drawing, G.S., Mk. II (or III) set	1	
Levels, pocket, Mk. IV	1	
Protractors, rectangular, 6-in., ivorine, A, Mk. III (*b*)	1	
Roof, pitches, ¼-pitch	1	
Rulers, parallel, rolling, 9-in.	1	
Rules, architects	1	
Rules, sight, 16-in. (or 18-in.)	1	
Scales, math.—		
No. 5	1	
No. 8B	1	
Set-squares, celluloid, 6-in., 45 degrees	1	
Straight edges, 48-in. (*c*)	1	
T-squares, 36-in., mahogany	1	
Tables, plane, portable, Mk. II	1	
Tapes, measuring, metallic woven, 50-ft., Mk. II (or I)	2	
Section W1		
Rods, measuring, common, 6-ft., Mk. I	1	

(*a*) With Cases, compass, prismatic, A.

(*b*) When stocks of Protractors, rectangular, 6-in., wood, A, Mk. II are exhausted.

(*c*) When stock is exhausted will be replaced by 45-in.

APPENDIX 38

(Referred to in para. 387)

DRAWING INSTRUMENTS FOR HEADQUARTER OFFICE OF ANTI-AIRCRAFT COMMAND, T.A.

Designation.	No.	Remarks.
Section V2		
Boards, drawing—		
Antiquarian	3	
Double elephant	3	
Imperial	3	
Cases, map, cylindrical, Mk. II	12	
Compasses, prismatic, Mk. IX with "A" case	1	
Curves, drawing, architects, Mk. II set	3	
Instruments, drawing, G.S.T.P. ,,	3	
Protractors—		
Rectangular, 6-in., ivorine, "A", Mk. IV	3	
Semi-circular, celluloid, 6-in.	3	
Rulers, flat, ebony—		
1-ft.	3	
1-ft. 6-in.	3	
Scales—		
Marquois, Mk. II set	3	
Math—		
No. 1 set	3	
No. 23	12	
Set-squares, celluloid—		
6-in.—		
45 degrees	3	
60 degrees	3	
10-in.—		
45 degrees	3	
60 degrees	3	
Straight edges, 48-in., Mk. II	3	
T-squares—		
36-in. mahogany	3	
45-in. mahogany	3	
57-in. mahogany	3	

APPENDIX 39

(Referred to in paras. **325** *and* **550)**

STORES FOR ANTI-GAS TRAINING AND MAINTENANCE OF RESPIRATORS

To be demanded as and when required

NOTES.—1. Where two or more units are in close proximity to each other, dugouts and chambers on the scale of one of each for every six units should suffice.

2. A diagram of the respirator will be provided for each unit for lecture purposes.

3. One copy of each of the following books will be available at each Command Headquarters Reference Library :—

Chemical Warfare (Fries and West).
Medical History of the War, Volume II (1914–18).

TABLE 1

Designation.	Proportion.
Section A1	
Loops, brass, $\frac{9}{16}$-in.	5 every 100 haversacks.
Section A2	
Capsules, lachrymatory	120 every 100 men or less (for demonstrating and for fitting and testing of respirators in gas chambers).
Cloth, union, anti-gas, Mk. I ...	18 yards every 500 men or less, *i.e.* sufficient to fix up a dug-out with two entrances, each having a double curtain. Also for curtains for improvised gas chamber.
Rattles, trench	1 every 100 men or less except in Cavalry regiments and Infantry battalions (for lecture purposes and gas alarm practice).
Respirators, anti-gas—	
Buckle-clips (*a*)	5 every 100 haversacks.
Links, shoulder strap (*a*)	
Platforms, wire (*b*) ...	
Cloths, disinfecting facepiece ...	10 every 100 facepieces on charge.
Containers	Replacement of defective containers ; as required.
Discs, eyepiece, $2\frac{1}{2}$-in.	5 every 100 Mk. III, $2\frac{1}{2}$-in. eyepieces.
Eyepieces, $2\frac{1}{2}$-in., Mk. III—	
Washer, rubber	For replacement of damaged discs and defective washers.

TABLE 1—*continued*

Designation.	Proportion.
Section A1—continued	
Respirators, anti-gas—*continued*	
Harness, No. 3, Mk. I ...	Changing head harness facepieces, Mk. III ; as required.
Loops, Mk. I	
Tags, Mk. I	
Harness, No. 4, Mk. II ...	Changing head harness facepieces, Mk. IV ; as required.
Loops, Mk. II	
Tags, Mk. II	
Keys, eyepieces, Mk. I	1 every 100 men or less.
Keys, securing guard valve ...	1 every 50 men or less.
Line, natural whip-cord. (For attaching discs)	9-in. each disc plus 10 per cent. annually for wastage.
Seals, disc, identity	1 each disc plus 10 per cent. annually for wastage. (For securing discs.)
Tools, detaching, Mk. I	1 every 100 men or less (for changing respirator containers).
Valves, inlet, No. 1, Mk. I ...	Replacement of defective valves in containers, Type A ; as required.
Wires, binding, 11-in.	500 every 100 men, for rewiring connecting tubes.
Tape, adhesive, $\frac{1}{2}$-in.	40 yards every 100 men or less, for use when re-wiring connecting tubes.
Section A2 (N.I.V.)	
Respirators, anti-gas—	
Canvas scrap (for loops) ...	As required for repair of haversacks.
Section F	
Pliers, side-cutting, 6-in. ... pr.	1 every 100 men or less.
Section H1	
Paint, prepared for use, black, marking.	As required.
Section H2	
Lines, natural, whipcord	Up to 50 ft. for every 100 haversacks.
Thread, linen, machine, No. 18, whited brown, 3-cord.	As required.
R.A.S.C. Supply	
Grease, G.S.	As required : for greasing threads of eyepiece rims.
Clothing Vocabulary Items	
Section CC	
Discs, identity, No. 2, red	1 each respirator plus 10 per cent. annually for wastage. (For marking facepieces.)

(*a*) Only when Mk. I haversacks are in possession.
(*b*) Only when " A " type containers are in possession.

TABLE 2

NOTE.—The following stores are authorized for local courses in anti-gas training held for the instruction of anti-gas instructors at stations home and abroad, and are additional to the stores shown in **Table 1.**

Designation.	No.	Remarks.
Section A2		
Capsules—		
Lachrymatory—		
Mk. I (*a*)	20	(*a*) Issued in cylinders of 120. For home stations only.
Mk. II or III (*b*)	20	(*b*) Issued in cylinders of 120. For use abroad.
Cloth Union, anti-gas ... yd.	18	(*c*) Each course.
Diagram of Respirator	2	(*d*) For heating capsules, lachrymatory.
Rattles, trench	1	(*e*) To be returned to R.A.O.C. on completion of course.
Respirators, anti-gas—		(*f*) R.A.S.C. supply.
Charcoal, activated and graded (*c*) lb.	5	
Cloths, disinfecting facepiece (*c*) ...	5	
Containers	1	
Facepieces—		
Mk. III—		
Size 3	10	
Size 4	10	
Mk. IV—		
Normal	10	
Small	10	
Large	10	
Harness—		
No. 3 ... ... set	5	
No. 4 ... ... ,,	5	
Haversacks, Mk. IT	20	
Loops—		
Mk. I	30	
Mk. II	30	
Outfits, anti-dimming, Mk. III (or IV)	25	
Tags—		
Mk. I	30	
Mk. II	30	
Tools, detaching	10	
Valves, inlet, No. 1, Mk. I ...	5	
Wire, binding, 11-in. lengths ...	100	
Tape, adhesive, ½-in. ... yd.	20	
Section A2 (N.I.V.)		
Bleaching powder ... ... lb.	30	
Section F		
Pliers, side-cutting, 6-in.	10	
Section H1		
Methylated spirit, industrial (*d*) pt.	1	

TABLE 2—*continued*

Designation.	No.	Remarks.
Section H2		
Cotton, wool ... ... lb.	2	
Lines, natural, whipcord (*c*) yd.	5	
Section J1		
Axes, pick, 4½-lb.—		
Heads	6	
Helves	6	
Shovels, G.S., Mk. II	6	
Section Q1		
Candles, smoke, ground, Mk. II ...	15	
Generators, smoke, ground, No. 5 ...	3	
Matches, fuzee, safety ... box	1	
Section T1		
Generators, lachrymatory, No. 2, Mk. I	12	
Clothing Vocabulary		
Section CD		
Boots, gum, short (*e*) ... pr.	6	
N.I.V.		
Izal (*f*) ... ... gal.	1	
Mixture P ... ... ,,	20	

APPENDIX 40

(*Referred to in para.* **325**)

LACHRYMATORY (C.A.P.) CAPSULES FOR ANTI-GAS TRAINING

1. Method of Use

(*a*) Lachrymatory capsules are issued for the purposes of anti-gas instruction and the fitting of respirators. These are gelatine capsules, Mk. I, for use at stations at home, or glass capsules, Mk. II or Mk. III, for use at stations abroad.

(*b*) Each capsule is sufficient to produce a concentration suitable for the fitting of respirators, viz. one part of lachrymator in 1,000,000 parts of air when used in a chamber or dug-out of 1,000 cubic feet capacity. Since, however, the usual anti-gas chamber or dug-out is rarely gas-tight, the capsules should be used on a scale of two for each 1,000 cubic feet, but should not be used in excess of this proportion.

(*c*) In the case of capsules, lachrymatory, Mk. I, the end of the capsule should be pricked with a pin before use; with capsule, lachrymatory, Mk. II, the stem of the glass bulb must be broken off before use, either by using pliers or by filing a nick in it and then snapping it off with the fingers. In later issues of Mk. II, and in the case of the Mk. III capsule, which is now superseding the Mk. II, a tip breaker, consisting of a piece of thick glass tubing, 2-in. in length, ¼-in. diameter, will be found in each cylinder of capsules. The glass stem of the capsule should be inserted in the tip breaker and the point snapped off. The bulb will then be placed on a tin lid in the chamber or dug-out, and a spirit lamp or (if this is not available) a candle lit directly underneath. The heat from the lamp or candle will vaporize the lachrymator, and vaporization should be complete within a few minutes. Care should be taken that the tin lid does not become red hot, or that the capsule does not come in contact with a naked flame, either of which will cause ignition and result in all lachrymatory effects being lost. A fan should be employed, if available, in the chamber or dug-out to ensure a uniform lachrymatory atmosphere. The gelatine or glass bulb must not be heated in any case without pricking the gelatine capsule or breaking off the stem of the glass one.

(*d*) The container, type A, Mk. II or III affords complete protection against the lachrymator generated by heating the capsules.

2. Instructions and Precautions for Storage and Handling

(*a*) Capsules, lachrymatory, Mk. I, will be stored in a cool place. While in store their temperature must not be allowed to exceed 45° C. (113° F.).

(*b*) *Capsules, lachrymatory, Mks. I, II and III.*—Especial care must be taken in handling capsules, Mk. I, and in opening capsules, Mks. II and III, in order to avoid contact of the contained lachrymatory substance with the skin. Should this happen, the lachrymatory substance must be thoroughly scrubbed off with soap and water, as soon as possible, for if allowed to remain on the skin it may produce severe dermatitis.

If, in spite of scrubbing, any irritation should subsequently develop, it is best allayed by bathing the parts affected with hot water, and then applying olive oil liberally.

APPENDIX 41

(*Referred to in para.* **326**)

ANTI-GAS EQUIPMENT

INSTRUCTIONS FOR STORAGE AND INSPECTION

Note.—All repairs to anti-gas clothing will be executed by the R.A.O.C. and *not* by units. All anti-gas clothing in other than a serviceable condition will therefore be returned to the R.A.O.C.

OILED FABRIC CLOTHING

Light-weight material.

1. The following articles are made of light-weight oiled fabric (Fabric D, T.C. 200A) and the method of storage and inspection applies to them all except where otherwise stated :—

Aprons, anti-gas.
Capes, anti-gas.
Coats, anti-gas.
Covers, cap, anti-gas.
Covers, helmet, anti-gas.
Curtains, helmet, anti-gas.
Hoods, anti-gas.
Suits, anti-gas, light, No. 1 and No. 2.
Wallets, anti-gas.

Storage.

2. Garments must be hung and set as far apart as space permits. It is dangerous to leave oilskin garments in cases or in a heap upon the floor owing to the possibility of spontaneous combustion.

3. The best way to store sleeved garments is to hang them on coat hangers or by means of " S " hooks to two parallel wires or rails 20 in. apart, the " S " hooks being passed through the hanging loops on the garments provided for the purpose. It is better, however, to hang them unfolded by the central hanger by a single " S " hook than to leave them in cases or on racks.

4. Trousers must be hung by the loops provided by means of " S " hooks and, if available, to wires or rails set 20 in. apart.

5. Sou'-westers, anti-gas gloves and hoods, etc., must be hung on single wires or rails by means of " S " hooks.

6. The cooler and drier the store, the better. It is, however, desirable to supply heat if the temperature would otherwise fall below 50 ° F. Windows admitting sunlight must be covered with hessian or other fabric.

7. In temperate climates no special precautions are needed as regards humidity, but in tropical climates under circumstances such as occur during the monsoon period it may be necessary to take steps to limit the humidity of the store. In low-pitched rooms it will be found economical to hang sou'-westers, gloves and hoods above coats, jackets and trousers.

8. It is preferable not to hang coats, jackets, trousers, sou'-westers and gloves (in pairs) closer than ten items each foot when hung by means of " S " hooks, and hoods not closer than seven each foot. It is, however, better to stow even closer than this than to leave garments packed in cases, stacked in bays, or heaped upon the floor.

9. Situations may arise where it is not possible to comply in every respect with the recommendations given above, which are the ideal conditions. Some decrease in the life under these circumstances occurs and the extent of this loss of useful life will, approximately, be increased as the conditions of storage depart further from this ideal.

10. Where departure from the ideal is unavoidable and oilskin garments are stowed in cartons, etc., the garments should be of Type 2 or Type 3 stability (Specification T.C. 200A) for storage in the United Kingdom and colder climates and of Type 3 stability for storage in warm climates abroad.

Inspection.

11. Garments and other articles made of light oiled fabric must be inspected every six months, or oftener if they are close stored, and any which have become tacky removed. Although garments may progressively deteriorate they remain serviceable until tackiness has developed to an extent which removes surface layers of oil from folds of the garment on separation.

12. Oiled fabric articles in use must be examined for tackiness as above, but damage by wear and tear is a more likely cause of unserviceability.

13. New oiled fabric may exhibit slight signs of tackiness which disappears with exposure to air and must not be confused with the secondary tackiness, due to old age or bad storage. Secondary tackiness is progressive and there is no means of restoring the garment to a non-tacky condition.

14. When secondary tackiness has begun the service life of the garment may be prolonged somewhat by dusting with french chalk. This will in no way arrest the deterioration of the oiled surface, but damage to the surface due to sticking may to a large extent be prevented.

15. Other causes which may render the garments, etc., unserviceable are :—

(*a*) Tears in the fabric.—Tears which end not less than 2-in. from any existing seam.
(*b*) Portions of press fasteners damaged or missing.
(*c*) Oil coating removed from the surface of the fabric by abrasion or folding.

Heavy-weight material.

16. The following articles of clothing are wholly or partly made of heavy oiled fabric (Fabric A, T.C. 200A), and the procedure for their storage and inspection is described below :—

Gloves, anti-gas.
Overboots, anti-gas.
Suit, anti-gas, heavy.

Storage.

17. The instructions given for the storage of light oiled fabric garments also apply to garments of heavy fabric.

Inspection.

18. The remarks given under this head for light anti-gas clothing apply.

RUBBERIZED FABRIC CLOTHING

19. Anti-gas garments made wholly or partly of rubber are as follows :—

Boots, rubber, knee.
Capes, rubberized.
Gloves.
Jackets, rubberized.
Overboots, ankle.
Overboots, anti-gas (rubber).
Protective clothing (light and heavy).
Trousers, rubberized.

Storage.

20. Rubber articles must be stored protected from light and under conditions of temperature similar to those for respirators. They will be enclosed as far as possible to prevent free air circulation and must be stored in such a manner as to prevent any distortion under pressure.

Inspection.

21. These stores must be inspected every six months.

The chief indications of deterioration of rubber are signs of superficial cracks, which are seen on flexing, and hardening which gives rise to permanent set. These faults in the initial stages are not sufficient to cause unserviceability, but when severe cracking occurs at edges and when hardening and cracking are such as to render the garment inadequate for the purposes for which it is required it must be returned to R.A.O.C.

22. Articles having cuts, tears or holes caused by wear and tear will also be returned to R.A.O.C.

EYESHIELDS, MKS. I AND II

Storage.

23. Eyeshields must be stored under the same conditions of temperature and humidity as laid down for respirators. They may be stored in the packing in which they arrive.

Inspection.

24. The elastic should not have become perished, the oiled fabric (in the case of Mk. II) should not have become tacky, and the cellulose acetate should have retained sufficient of its flexibility for it not to crack when flexed to a reasonable extent.

WOVEN FABRIC STORES

25. The following stores are made of woven fabric :—

Capes, anti-gas (porous).
Cloth, union, anti-gas.
Cotton waste.
Overmittens.
Valise for anti-gas clothing.

Storage.

26. Temperature conditions do not affect these stores, but humidity must be kept as low as possible. All possible precautions must be taken according to the local conditions to avoid damage by insects such as clothes moth, " woolly bear," white ants, etc.

Inspection.

27. The usual regulations for inspection of clothing apply.

COMPOSITION PAPER STORES

28. Stores consisting mainly of paper with various types of dressing are :—

Bags for contaminated clothing.
Pathways, anti-gas.

Storage.

29. These articles must be stored as far as possible under conditions of low temperature and humidity to avoid rotting of the paper or deterioration of bituminous or other dressings.

Inspection.

30. Any rotting due to bad storage conditions must be looked for and, in the tropics, the effects of the ravages of white ants. Stores found to be affected in this manner will be returned to R.A.O.C.

BLEACHING POWDER

Storage.

31. Bleaching powder (also known as chloride of lime) must be kept dry and preferably in airtight and light-proof containers. The containers must be stored in a cool place. On exposure to the air, bleaching powder rapidly loses its efficiency.

Inspection.

32. No local inspection of the contents of the drums is possible. The drums must be examined every 6 months. Any drums found to be bulged, corroded or otherwise damaged will be returned to R.A.O.C. for replacement.

DETECTORS

33. Of the detectors the following consist of papers treated with detector paint :—

Gas, ground.
Papers, gas spray.
Personal, Mk. I.

Storage.

34. These stores must be stored in a moderately cool, dry place where they will not suffer serious deterioration over a long period.

35. Proximity to hot waterpipes, etc., will cause the paper to become brittle and will also reduce sensitivity. The loss of sensitivity is always accompanied by a darkening of colour.

Inspection.

36. These stores must be inspected every three months and will be returned for exchange if there is any evidence of flaking of the paint, brittleness of the paper or marked discoloration.

DETECTOR PAINT

Storage.

37. Detector paint must be stored in sealed or lever lid tins away from hot pipes, stoves, etc. ; under these conditions it will remain serviceable indefinitely.

38. After prolonged storage paint must be stirred before use until any separated pigment has been reincorporated. Any loss of solvent by evaporation must be made up with white spirit. Turpentine must *not* be added.

Inspection.

39. No inspection required.

OINTMENTS, ANTI-GAS, Nos. 1 AND 2

Storage.

40. Stocks must be kept in a cool, dry store away from the immediate vicinity of stoves, hot pipes, etc.

41. Personnel must be instructed to avoid subjecting their individual issues to high temperatures, *e.g.* by leaving haversacks containing the ointment on radiators, near fires, etc.

42. In the case of Ointment No. 2 issued in glass pots, it is essential that the lid of the pot is firmly screwed down to prevent the ointment from drying out.

43. Freezing of the ointment has no appreciable effect on its efficiency.

Inspection.

44. Stocks must be inspected quarterly.

45. Under correct storage conditions both ointments should keep indefinitely in temperate climates.

46. In tropical climates slow deterioration takes place, but the ointments should normally have a useful life of at least one year or more, according to the conditions.

47. In the case of Ointment No. 1, slow destruction of the active agent (bleach) may take place, or, under extreme conditions, separation of the ointment into its constituents may occur.

48. Deterioration of the bleach is usually shown by the development of a yellow or brown discoloration in the top layers of ointment. Those in which discoloration has taken place can usually be restored to serviceable condition by scraping off and discarding the portion of ointment affected.

49. Separation of the ointment usually results in the appearance of a semi-transparent top layer; occasionally a white opaque top layer is formed, which resembles good ointment, but which is smoother and less granular in appearance. In either case, if separation has occurred to a marked extent, the ointment must be replaced. In cases of slight segregation, remixing is practicable.

50. Deterioration in Ointment No. 2 is not usually apparent from a purely visual examination, though in some cases a yellow or brown coloration may develop. Absence of any smell of chlorine when the ointment is rubbed on the skin indicates that serious deterioration has taken place.

51. Drying-out of the ointment is shown by shrinkage of the ointment in the pot, and by its becoming somewhat hard and crumbly. As long as the ointment can be readily rubbed on the skin, however, slight drying out will not impair its efficiency.

APPENDIX 42

(Referred to in para. 388)

VALUE OF STORES WHICH MAY BE DRAWN ANNUALLY BY FORMATIONS FOR CAMOUFLAGE TRAINING

NOTES.—1. For Egypt 6 per cent. will be added to these money values.

2. N.I.V. stores required will be obtained through the R.A.O.C.

Formation.	Value.
	£ s. d.
Field Coy., R.E. (home stations only)	1 19 0
Training Bn., R.E. (Chatham)	19 6 0
S.M.E., Chatham	1 19 0
Tank Battalion (except Depot Bn.) and Central Schools, Royal Tank Regiment	3 16 0
Cavalry Armoured Car Regiment	3 16 0
Armoured Car Company	1 0 0
Machine Gun School, Netheravon	7 18 0
Small Arms School, Hythe	7 18 0

APPENDIX 43

(*Referred to in para.* **357**)

TOOLS AND STORES FOR INSTRUCTION OF TROOPS IN MILITARY ENGINEERING

TABLE 1.—TOOLS FOR INSTRUCTION IN FIELD WORKS

Designation.	Number for each Fortress Company and 58th (Porton) Company. With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.
Section F			
Crowbars, 4-ft. 1-in.	1	2	4
Grindstones, F.S.	1	1	2
Levels, spirit, rule	1	1	2
Pliers, side-cutting, 8-in. ... pr.	2	4	6
Section J1			
Axes { felling	1	2	4
Axes { hand	2	3	6
Axes, pick 4½-lb. { heads	25	50	100
Axes, pick 4½-lb. { helves	25	50	100
Hooks, bill	5	10	20
Mauls { heads, Mk. V (or VI) ...	1	2	4
Mauls { helves, Mk. I (or II) ...	1	2	4
Shovels, R.E.	25	50	100
Spades, Mk. III	3	5	10
Section KC			
Gloves, hedging ... ... pr.	4	6	8
Section V2			
Tapes, measuring, metallic woven, 50-ft., Mk. I (or II)	1	1	2
Section W1			
Cutters, wire, folding	2	2	2
Hose, canvas, 2-in. × 30-ft. lengths ...	1	1	2
Hose, prepared canvas, 1¾-in. × 12-ft. lengths	4	4	8
Hose-wrenches, P, Mk. II	2	2	4
Levels, F.S., Mk. IV	1	2	4
Pumps, lift and force, Mk. V ...	1	1	2
Rods, measuring, common, 6-ft. ...	2	5	10
Strainers, suction hose, P, Mk. III ...	1	1	2
Tapes, tracing, Mk. I	2	5	10
Section W2			
Batteries, inert, O, ten-cell, Mk. I ...	2	2	4
Boxes, testing and jointing, filled, No. 2, Mk. I (*a*)	1	1	2
Cables, electric, E.1, Mk. II (*b*) miles	½	½	1
Cells, inert, S, Mk. I (*c*)	1	1	2
Exploders, dynamo, Mk. V*	1	1	2

(*a*) Not more than 1 bobbin (¼ dwt.) of wire, electric, X ·0016(48) contained in this box may be expended by each unit annually.

(*b*) 100 yds. may be expended annually.

(*c*) For Box, safety test cell, S, issued with Boxes, testing and jointing, filled, No. 2. The maintenance of these cells will be met out of the allowance authorized under para. **359.**

TABLE 2.—BRIDGING, MINING, WATER SUPPLY AND FIELD ENGINEERING STORES

(*Referred to in para.* **357**)

(A) Pontoon Equipment Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	2	Southern Command	1
Eastern Command	2	Western Command	1
Northern Command	2	B.T.N.I.	1
Scottish Command	1	London District	1

Designation.	Each set.	Remarks.
Anchors, pontoon, 1 cwt., Mk. II ...	32	(*a*) For issue to bridging camps only.
Boathooks, 11-ft. 7½-in.	24	
Bolts, racking, pontoon	94	
Boxes, racking, pontoon	10	
Buoys, anchor	32	
Cases, transport, pontoon, trestle ...	2	
Channels, racking, pontoon	6	
Chesses—		
Pontoon	316	
Stiffening, pontoon	8	
Connectors, raft, pontoon	24	
Guides, sliding bay, pontoon	6	
Jackets, life, R.E.—		
36-in.	50	
40-in.	25	
Levers, rafting, pontoon	4	
Lifters, roadbearers, pontoon... ...	16	
Motor tugs—		
Mk. I* *or*	1 (*a*)	
Mk. I**, Mk. II)		
Patches, pontoon—		
A	64	
B	32	
C	64	
Pontoons, Mk. V	32	
Ramps, pontoon	16	
Ribands, pontoon, long	32	
Roadbearers, pontoon—		
Long—		
Button	32	
Plain	128	
Short—		
Button	2	
Plain	8	
Spikes, bridging	26	
Transoms, shore, pontoon	4	
Trestles, pontoon, Mk. VII	2	
Trolleys, bridging equipment ...	2	

TABLE 2—*continued*

Designation.	Each set.	Remarks.
Bars, carrying P.L.B., Mk. I ...	12	
Bolts, riband P.L.B., Mk. I	32	
Girders, stabilising	4	
Panels, deck, P.L.B.—		
Long, Mk. I	16	
Short, Mk. I	6	
Pins, hinge P.L.B., Mk. I	18	
Ramps, P.L.B., Mk. I	8	
Ribands, P.L.B., Mk. I	12	
Rollers, launching, P.L.B., Mk. I ...	8	
Seats, bank, P.L.B., Mk. I	2	
Sections, P.L.B.—		
Box	4	
Hornbeam	8	
Transoms, P.L.B., Mk. I	2	
Propulsion units—		
Brackets "L"	2	
,, "T"	2	
Cross frames, pontoon...	2	
Propellor units	2	
Crates	2	
Stays, diagonal, pontoon	2	
Throttle, control band...	2	
Tubes, voice	2	
Section E3		
Handspikes, 7-ft.	2	
Posts, picket, 5-ft., Mk. III	6	
Section E4		
Fenders, coir, turkshead	24	
Oars, 10-ft.	120	
Section F		
Hammers, sledge, straight pane, 10-lb.	2	
Section H2		
Cordage, European hemp, tarred, hawserlaid—		
1-in. (5-fathoms lengths) ... fms.	160	
1½-in. (6-fathoms lengths) ... ,,	120	
1½-in. (9-fathoms lengths) ... ,,	180	
1½-in. (10-fathoms lengths) ... ,,	320	
3-in. (9-fathoms lengths) ... ,,	72	
3-in. (30-fathoms lengths) ... ,,	960	
Section W1		
Boxes, maintenance, F.D.E. No. 2 (with trays A.B. & D. empty) ...	2	
Trays—		
A. Engine spares	2	
B. Drives, flexible spares ...	2	
D. Propulsion unit spares ...	2	
Drives, flexible, 22-mm. 8-ft. sections	4	
Engines, petrol, 8 B.H.P.	2	
Hammers, miners, boring, 7-lb., Mk. I	4	

TABLE 2—*continued*

Designation.	Each set.	Remarks.
Section J1		
Mauls—		
Heads, Mk. VI	4	(*a*) Anchorage equipment set comprise the undernoted stores which are not included in the body of the table.
Helves, Mk. II	4	
(*N.I.V.*)		
Anchorage, equipment ... set	1 (*a*)	
Pickets, 5-ft.	6	
Cordage, manilla, 3-strand, white, 2-in. (10-fathoms lengths) ... fms.	20	
Blocks, tackle, 2-in., cordage—		
Double	2	
Single...	2	
Slings, 1-in. S.W.R., 6-ft.	2	

(B) Assault Bridging Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	20	Southern Command	12
Eastern Command	12	Western Command	8
Northern Command	20	B.T.N.I.	8
Scottish Command	8	London District	4

Designation.	Each set.	Remarks.
Assault Bridging Set		
10-bay Bridge, each bay 6 ft. 6 in. long	—	
Section E2		
Decking, assault bridge, Mk. III ...	10	
Floats, Kapok, assault bridge ...	9	
Transoms, assault bridge, Mk. III ...	9	
Section H2		
Cordage, European hemp, tarred, hawserlaid (or Italian hemp, white, hawserlaid) 1½-in. ... ... fms.	125	
Section J1		
Mauls—		
Heads, Mk. VI	2	
Helves, Mk. II	2	
Posts, picketing, 2½-ft., Mk. V ...	8	
Section W1		
Tapes, tracing, Mk. I	2	

TABLE 2—*continued*

(C) Unit Construction Set

	Sets		Sets
South Eastern Command ...	1	Western Command	1
Eastern Command	1	B.T.N.I.	1
Northern Command	1	London District	1
Scottish Command	1		

Designation.	Each set.	Remarks.
One single truss 80-ft. bridge.	For details *see* M.E. Vol. III, Pt. II, Pamphlet No. 7, Plate XXV.	
Laun hing Gear One set.	For details *see* M.E., Vol. III, Pt. II, Pamphlet No. 7, Table at end of text. page 17. Only one-third of the number of tools shown in the table on page 19 are issued.	

(D) Stock Span Set

	Sets		Sets
South Eastern Command ...	4	Southern Command	3
Eastern Command	3	Western Command	2
Northern Command	3	B.T.N.I.	2
Scottish Command	2	London District	1

Designation.	Each set.	Remarks.
One 26-ft. Stock Span—		
Main girder, 14-in. × 5½-in. by 40-lb.	8	
Short baulks	30	
Long baulks	6	
Footway, decking plank	12	
Riband	4	
Handrail stanchion	10	
Stiffener	36	
Clamp	12	
Fish plate	2 R.H.	
Bearing plate	2 L.H.	
¾-in. B.S.V. bolt, 1-ft. 4-in. long, 3-in. thread length, with nut and 2 washers	12	
¾-in. B.W.S. bolt, 2¼-in. long, 1⅜-in. thread length, with nut and 2 washers	96	
⅝-in. B.S.W. bolt, 1½-in. long, with nut and washer	8	
4-in. nails ... ... gross	2	
Handrail cordage, 2½-in. ... fms.	32	

TABLE 2—*continued*

(E) Miscellaneous Bridging Equipment Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	15	Southern Command	9
Eastern Command	9	Western Command	6
Northern Command	15	B.T.N.I.	6
Scottish Command	6	London District	3

Designation.	Each set.	Remarks.
Section E3		
Blocks, tackle, G.S. cordage—		
2-in., Mk. I, double	4	(*a*) Sizes as required.
2-in., Mk. I, treble	4	
2-in., Mk. I, snatch	4	
3-in., Mk. I, double	4	
3-in., Mk. I, snatch	4	
Blocks, tackle, G.S. wire rope—		
1½-in., Mk. I, single	2	
1½-in., Mk. I, double	2	
1½-in., Mk. I, treble...	2	
1½-in., Mk. I, snatch	2	
2-in., Mk. I, single	2	
2-in., Mk. I, double	4	
2-in., Mk. I, treble	4	
2-in., Mk. I, snatch	2	
3-in., Mk. I, single	2	
3-in., Mk. I, double	2	
3-in., Mk. I, treble	6	
3-in., Mk. I, snatch	1	
Handspikes, 6-ft., Mk. II	4	
Jacks, lifting and traversing, screw, 6 tons, Mk. I	2	
Posts, picket, 5-ft., Mk. III	100	
Rollers, ground, 3-ft. × 6-in.... ...	4	
Rope, galvanized—		
1½-in. ... ... feet	900	
2-in. ... ... ,,	1,200	
3-in. ... ... ,,	1,500	
Shackles—		
¾-in., Mk. I	6	
1½-in., Mk. I	6	
Tackles, differential, 1 ton, Mk. I ...	2	
Section E2 (N.I.V.)		
Clips—		
Bulldog	50	
Spanners	6 (*a*)	
Section E5		
Dogs, railway and sawyers, straight, Mk. III, 15-in.	100	

TABLE 2—*continued*

Designation.	Each set.	Remarks.
Section F		
Augers	12 (*b*)	(*a*) Sizes as required.
Handles	6 (*a*)	(*b*) Up to 2-in. as required.
Hammers, sledge, straight, 10-lb. ...	2	(*c*) Bridging camps only.
Mallets, carpenters	2	
Saws, cross-cut, 5-ft.	2	
Spanners, adjustable, 11-in.	2	
Section H2		
Cordage, European hemp, tarred, hawserlaid—		
1-in. ... ... fms.	986	
1½-in. ... ... ,,	1,163	
2-in. ... ... ,,	900	
2½-in. ... ... ,,	48	
3-in. ... ... ,,	900	
Lines, natural, hambro	6	
Section J1		
Mauls—		
Heads, Mk. VI	8	
Helves, Mk. II	8	
Section V2		
Tapes, measuring, metallic woven, 50-ft.	2	
Section W1		
Rods, boning, common, Mk. I ...	3	
R.E. Supply		
Cribs, steel	10	
Joists, rolled steel—		
20-ft × 9-in. × 4-in.	10	
20-ft. × 12-in. × 5-in.	10	
(*N.I.V.*)		
Cutters, 12 cared	3 (*c*)	
M.T. Supply		
Holdfasts, Ordnance pattern	16	

TABLE 2—*continued*

(F) Model Bridge Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	5	Southern Command	3
Eastern Command	3	Western Command	2
Northern Command	5	B.T.N.I.	2
Scottish Command	2	London District	1

One model each of—
S.B.G.
F.B.E.
Pontoon Equipment.
Inglis Bridge } not yet available.
Bailey Bridge }
Details of models are contained in each box.

(G) Wiring Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	5	Southern Command	3
Eastern Command ...	3	Western Command	2
Northern Command	5	B.T.N.I.	2
Scottish Command	2	London District	1

Designation.	Each set.	Remarks.
Pickets—		
Screw, Short, Mk. II	1,440	
,, Long, Mk. I	720	
Angle iron, short	720	
,, ,, long	360	
Wire entanglements—		
Barbed, No. 1 coils	80	
Pegs	480	

(H) Water Supply Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	5	Southern Command	3
Eastern Command	3	Western Command	2
Northern Command	5	B.T.N.I.	2
Scottish Command	2	London District	1

Designation.	Each set.	Remarks.
Section F		
Wrenches, pipe—		
5½-in.	2	
9-in.	9	

TABLE 2—*continued*

Designation.	Each set.	Remarks
Section J1		
Covers, waterproof, black G.S., 20-ft. × 15-ft.	10	
Tanks, water, canvas, S-type ...	1	
Troughs, waterproof, complete ...	2	
Section W1		
Hose, filling, water carts, 4-in. × 6-ft. lengths	4	
Pumps, portable steam, No. 1 (or No. 2)	1	
Pumping sets, No. 4	1	
R.E. Supply		
Screwed Pipes and Fittings—		
Pipes, W.I., screwed—		
2-in., random lengths ... ft.	100	
4-in., random lengths ... ,,	100	
Bends 90°, 2 No. 2-in., 2 No. 4-in.	4	
Equal Tees, 2 No. 2-in., 2 No. 4-in.	4	
Reducing Tees, 4-in. × 2-in. ...	2	
Sockets, 6 No. 2-in., 6 No. 4-in. ...	12	
Reducing sockets, 4-in × 2-in. ...	2	
Screwed flanges, 2 No. 2-in., 2 No. 4-in.	4	
Caps, 2 No. 2-in., 2 No. 4-in. ...	4	
Victaulic Fines and Fittings—		
Pipes, W.I., victaulic—		
2-in., grooved both ends, random lengths ... ... ft.	100	
4¾-in., grooved both ends, random lengths ... ... ft.	100	
Bends 90°, 2 No. 2-in., 2 No. 4-in.	4	
Joints, victaulic complete with, nuts, bolts and rings—		
For 2-in. pipes	8	
,, 4-in. ,, ...	8	
Equal Tees. 2 No. 2-in., 2 No. 4-in.	4	
Reducing Tees, 4-in. × 2-in. ...	2	
Reducers, long, 4-in. × 2-in. ...	2	
Adapter pieces, grooved to screwed, 2 No. 2-in., 2 No. 4-in.	4	
Grooving tool, 2-in. × 4-in. ...	1	
Standard Johnson couplings, 4-in.	2	
Blank ends, 2 No. 2-in., 2 No. 4-in.	4	
Valves, sluice, 4-in.	2	
Mobile Water Purification Set sets	2	
Each set comprising :—		
Section W1		
Sterilizing unit	1	
Filter unit	1	
Slings, webbing	2	
Stands, tabular	1	
Straps, leather	2	
Tanks, canvas	1	
Norton Tube Wall Equipment set	1	

TABLE 2—*continued*

(I) Communications Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	5	Southern Command	3
Eastern Command	3	Western Command	2
Northern Command	5	B.T.N.I.	2
Scottish Command	2	London District	1

Designation.	Each set.	Remarks.
Section F		
Crowbars, 2-ft. 3-in.	4	
Hammers, smiths, hand	1	
Spanners—		
Adjustable, 11-in.	1	
Double-ended, ⅜-in. and ½-in. ...	4	
Section W1		
Rods—		
Measuring, common, 6-ft., Mk. I ...	1	
Boning, common, Mk. I	36	
Track, road surfacing ... ... yds.	250	
R.E. Supply		
Rails, 20-lb. a yard—		
16-ft. 5-in. lengths	50	
8-ft. 2-in. lengths	20	
Sleepers—		
Single, with clips, bolts, etc., 2-ft. gauge	145	
Double, with clips, bolts, etc., 2-ft. gauge	36	
Somerfield Track (complete with linking bars, joint strips and pickets) yds.	100	
Trolleys, 2-ft.	2	
Turnouts, complete (1 right- and 1 left-hand), 2-ft. gauge	2	

(J) Demolitions Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	5	Southern Command	3
Eastern Command	3	Western Command	2
Northern Command	5	B.T.N.I.	2
Scottish Command	2	London District	1

Designation.	Each set.	Remarks.
Mines, A.Tk., empty fuzed inert—		
Mk. II	240	
Mk. IV	240	

TABLE 2—*continued*

(K) Tubular Scaffolding Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	10	Southern Command	6
Eastern Command	6	Western Command	4
Northern Command	10	B.T.N.I.	4
Scottish Command	4	London District	2

Designation.	Each set.	Remarks.
Section E3 (N.I.V.)		
Clamps, double throat...	150	(*a*) Comprised of :—
Spanners	15	6-ft. lengths ... 10
Scaffolding, iron, tubular—		12-ft. ,, ... 40
2-in., bases adjustable	2	14-ft. ,, ... 20
Base plates	10	18-ft. ,, ... 10
Couplers—		
Fixed	75	
Swivel	5	
Spigots, expanding	10	
Spanners, or Podgers	5	
Tube, 2-in. ... ... ft. run	1,000 (*a*)	
3-inch, bases adjustable	4	
,, base plates	20	
Couplers—		
Fixed	150	
Swivel	10	
Spigots, expanding	20	
Spanners, or Podgers	10	
Tubes, 3-in. ... ... ft. run	1,000 (*a*)	
Thimbles, I.C., 1½-in.	12	

(L) Mining Set

Scale of Issue

	Sets		Sets
South Eastern Command ...	5	Southern Command	3
Eastern Command	3	Western Command	2
Northern Command	5	B.T.N.I.	2
Scottish Command	2	London District	1

Designation.	Each set.	Remarks.
Section F		
Cans, oil, lubricating, 1-pint	2	
Hammers—		
Engineers, ballpane, 8-oz.	2	
Sledge, double-faced, 5-lb. ...	4	
Spanners, double-ended, ⅜-in. and ½-in.	1	
Section J1		
Barrows, wheel, intrenching, Mk. III with wheels	6	
Covers, waterproof, black G.S., 24-ft. × 18-ft. (or tarpaulins)	2	

TABLE 2—*continued*

Designation.	Each set.	Scale of issue.
Section W1		
Apparatus—		
Breathing, No. 1 (or No. 2) ...	1	(*a*) Includes 3 spare.
Reviving, No. 1 (or No. 2) ...	1	
Driving tube-wells, Mk. I ... sets	1	
Augurs, earth—		
6-in., Mk. I. (or M. 6-in.)	1	
8-in., Mk. I (or M. 9-in.)	1	
Bars, boring and jumping—		
No. I, Mk. I	8	
No. 2, Mk. I	8	
Baskets, miners, Mk. I	4	
Blowers, Mk. VI (or Mk. VII, No. 1)	2	
Candlesticks, miners, Mk. I	20	
Caps, knee, miners, Mk. I ... pr.	8	
Dials, miners, Mk. I	1	
Geophones, Mk. I	4	
Hammers, miners—		
Boring, 7-lb., Mk. I	4	
Sledge, Mk. I	2	
Hose, prepared canvas (or rubber), 1¼-in. × 6-ft., 12-ft. or 20-ft. lengths ... ... ft. run	200	
Hose wrenches, P., Mk. II	4	
Joists, steel, Mk. I	8	
,, ,, ,, clips	16	
Ladders, miners, 20-ft., Mk. I. ...	4	
Machines, hand-boring, miners, Mk. I	1	
Picks, hardy, universal, Mk. I (or picks, miners heads, Mk. I and helves, Mk. I)	8	
Rammers, earth, Mk. I (or Mk. II) ...	2	
Shovels—		
Clay kickers, Mk. I	2	
Miners, Mk. I	8	
Stretchers, mine, Mk. I	1	
Telegeophones, Mk. I	1	
Trucks, miners, Mk. IV	8	
Tube-wells, 1¼-in., Mk. I	1	
Wedges, miners, Mk. I	4	
Section W2		
Cells, inert S, Mk. I	6 (*a*)	

TABLE 3.—ANNUAL OVERHAUL OF KAPOK PROOFED FLOATS

(*Referred to in para.* **359**)

1. Suspend the float, so that it hangs freely, in the open air, for at least a day to allow it to dry out thoroughly.

2. Brush the surface to remove dust and dried mud.

3. Weigh the float. If the weight exceeds 75-lb. it will be classified as " For training purposes only ". If the weight exceeds 80-lb., it will be returned to the R.A.O.C. as " unserviceable."

4. Apply by brush a coating of suitable bitumen proofing compound at a temperature of about 100° F. The paint should be thinned with white spirit or petrol to assist brushing.

Apply a thicker coating wherever the original coating on the canvas shows sign of wear. Pay special attention to the seams and, if necessary, work in the proofing compound with a hot iron.

5. Allow the float to dry thoroughly for at least a day before using or re-storing.

TABLE 4.—SPECIAL BRIDGING STORES

(*Referred to in para.* **357**)

Designation.	No. (*a*)	No. (*b*)	Remarks.
Section E3			
Blocks, tackle, G.S., 3-in., Mk. I, treble	—	6	(*a*) 1 set each to Aldershot, Eastern and Southern Commands, Northern Ireland District, Egypt, Gibraltar, Malta and China.
Blocks, tackle, G.S. wire rope—			
2-in., single	—	2	
2-in., double	—	1	
2-in., treble	—	3	
2-in., snatch	—	2	
3-in., snatch	—	2	
Jacks, lifting and traversing, screws, 6-tons, Mk. I ...	—	2	(*b*) Gear for launching box girder bridge in addition to stores in **Table 2.** 2 sets to Aldershot Command and 1 set each to Eastern, Western, Southern, Northern and Scottish Commands.
Rope, galvanized—			
1½-in. ... ... fms.	60	—	
2-in., 20 fm. lengths ...	—	1	
2-in., 40 fm. lengths ...	—	1	
2-in., 50 fm. lengths ...	—	1	
2-in., 80 fm. lengths ...	—	2	
5-in. ... ... fms.	100	—	(*c*) To be provided locally out of the amounts allotted commands under para. **358.**
Section E3 (N.I.V.)			
Slings, 1½-in. steel wire rope, 4-ft. long (*d*)	—	6	(*d*) Materials to be supplied by R.A.O.C. and made locally.
Strops, double, 2-in. steel wire rope, 8-ft. long (*d*)	—	2	(*e*) Or 3 ton in lieu.
Strops, single, 3-in. steel wire rope, 6-ft. long (*d*)	—	2	
Strops, single, 2-in. steel wire rope, 30-ft. long (*d*) ...	—	2	
Thimbles, hawser, for 2-in. steel wire rope (*d*)	—	11	
Section F			
Spanners, double-ended—			
⅜-in. and ½-in.	—	6	
⅞-in. and 1-in.	—	6	
Section G2 (N.I.V.)			
Shackles, straight, 1½-in. (*d*) ...	—	8	
Derrick headrings, including 4 special shackles for head (*d*)	—	1	
Derrick base straps, with 4 shackles 1⅛-in. (*d*)	—	1	
R.E. Supply			
Coach screws, ¾-in. × 5-in. ...	—	14 (*c*)	
Clips, bulldog, for 2-in. steel wire rope	—	30	
Derricks, 18-ft. × 10-in. × 10-in. (or 11-in. round)	—	1 (*c*)	
Rollers, special, box girder ...	—	3	
Winches, 2-ton (*e*)	—	2	

TABLE 5.—ANNUAL ALLOTMENTS FOR EXPENDABLE STORES (AND MAINTENANCE OF PICKETS, ANGLE, ETC.)

(*Referred to in para.* **359**)

Unit.	Maximum value of stores (Votes 8 and 9) allowed annually.
	£
Cavalry regiment	6 (*a*)
Brigade of R.A. ... ... (Horse, field, medium, heavy and A.A.)	4 (*a*) (*b*)
Infantry battalion	15 (*a*)
R.E.—	
Field squadron	125 (*a*)
Field park company	80 (*a*)
Field company	85 (*a*)
A.A. company	90 (*a*)
Railway company	60 (*a*)
Field survey company	65 (*a*)
58th (Chemical Defence) company	65 (*a*)
Fortress companies—	
Strength up to 50	30
,, 51 ,, 100	60
,, 101 ,, 200	90
,, 201 ,, 300	110
,, over 300	120

(*a*) The amounts specified are for units up to full peace establishment. Entitlement for units below their peace establishment will be based on the actual strength (on 1st April), *e.g.* for a unit with a peace establishment of 200 and a strength of 100 the annual allotment entitlement will be at half the rate specified.

(*b*) £1 each unbrigaded battery.

TABLE 6.—EXPLOSIVES

(*Referred to in para.* **359**)

Under consideration. Scales will be published from time to time in A.C.Is.

APPENDIX 44

(*Referred to in para.* **391**)

BOXES, CLOTHING

Unit.	Each unit.	Remarks.
Cavalry regiments—		
Household Cavalry	4	
Other regiments	1	
Royal Artillery—		
Bands: Aldershot	1	
Bands: Woolwich	1	
Bands: Bulford	1	
Bands: Portsmouth	1	
Royal Engineer Band, Chatham ...	1	
Foot Guards—		
Battalions	2	
Depot	1	
Infantry battalions	1	

APPENDIX 45

DETAILS OF ACCESSORIES OF A PANNIER, MEDICAL COMFORT

(*For contents, see Field Service Manual, The Medical Services of the Army.*)

NOTE.—To be held on separate ledger charge.

Designation.	No.	Remarks.
Section J1		
Bottles, tin, methylated spirits ...	1	(*a*) To be provided locally.
Warmer, food, spirit lamp	1	
Section KE		
Measures, tin ½-pint	1	
Measures, tin 1-pint	1	
Measures, tin ½-gill	1	
Measures, tin 1-gill	1	
Section KF		
Corkscrews (*a*)	2	
Knives—		
Opening tin	2	
Table	1	

APPENDIX 46*

(*Referred to in paras.* **37** *and* **38**)

FREE ISSUE OF REVOLVERS, BINOCULARS AND PRISMATIC COMPASSES TO OFFICERS ON FIRST APPOINTMENT TO PERMANENT COMMISSIONS IN THE REGULAR ARMY

1. Free initial issues of the items authorized by para. **37** will be made as follows :—

Item.	Cavalry	Cavalry. A.C. Regt.	R.A.	R.E.	R. Signals.	Infantry and Foot Guards.	R.T.R.	R.A.S.C.	R.A.M.C. and A.D. Corps.	R.A.O.C.	R.A.P.C.	R.A.V.C.	A.E.C.
Revolvers ...	1	1	1	1	1	1	1	1	(*a*)	1	1	1	1
Binoculars, prismatic—													
No. 3, Mk. I ...	—	—	—	—	—	—	—	1	1	1	—	1	1
No. 3, Mk. II ...	1	—	—	1	1	1	1	—	—	—	—	—	—
No. 2, Mk. II ...	—	1	1	—	—	—	—	—	—	—	—	—	—
Compasses, prismatic, liquid, Mk. II (*b*) ...	—	—	1	1	1	—	—	—	—	—	—	—	—
Compasses, prismatic, Mk. VIII (*b*)	1	1	—	—	—	1	1	1	1	1	—	1	1

(*a*) Revolvers will not be issued to officers of the R.A.M.C. and A.D. Corps, but issue on loan may be authorized to such officers when serving in an area of active operations, provided the G.O.C.-in-C. determines that such issue is necessary.

(*b*) Type of case required to be stated on indent.

2. Issue of these items will not be made to directors of music, to the staff for R.E. services, or to officers who have previously had free issues made to them while cadets at the Royal Military Academy or Royal Military College.

3. Issues will be made by the R.A.O.C. on receipt of indent from the officer's C.O. Such indents must show the names of the officers for whom the articles are demanded. Indents will be submitted within three months from the date on which the officer is first appointed to a commission, except in the case of officers of the R.A.M.C. and the A.D. Corps, for whom

* *See* A.C.I. 300 of 1941.

indents will be submitted within three months from date of confirmation of their rank.

4. The articles will be brought on charge in the equipment account, and a receipt obtained from the officer on the appropriate voucher, in duplicate.

The original copy of the voucher, which must contain the correct vocabulary designations of the articles issued, will be enfaced in red with a reference to this appendix and with the words " forwarded to the War Office for insertion in the officer's personal file," and it will be so forwarded. The duplicate copy will be filed to support the issue in the unit's account.

5. Binoculars and compasses will, on issue to officers, be marked with the " Sale Mark " and will be maintained in a serviceable condition by officers at their own expense.

Revolvers will remain public equipment and will be maintained in a serviceable condition at the public expense. They will be retained by the officers for use so long as they remain on the active list.

At stations abroad officers may be allowed to have any necessary repairs to binoculars and compasses carried out on repayment in R.A.O.C. workshops, provided that no other suitable facilities exist. The full cost of repair (*see* R.A.O.S., Part I, 1937, para. 138), will be charged to the officer.

Officers whose employment on the active list is being terminated for any cause whatsoever will, before finally leaving their unit or any special employment on which they may be engaged, return the pistols, revolver, issued to them as a personal issue of public equipment, to their C.Os., who will return them to the R.A.O.C. and obtain a receipt for transmission to the officer concerned. A copy of the receipt will be forwarded by the D.A.D.O.S. direct to the War Office for insertion in the officer's personal files.

Officers and other ranks desirous of having their binoculars tested, cleaned and adjusted may forward them to the

Chief Inspector of Armaments,
Optical Buildings,
Garland Road,
Plumstead, S.E.18,

who will carry out these services on repayment.

Binoculars must be packed carefully and forwarded by registered post, and a label giving the sender's rank, name and address must be enclosed.

No responsibility for loss or damage in transit due to faulty packing or other causes can be accepted by the C.I.A.

The charges will be as follows :—

	Each binocular. s.	d.
(*a*) Testing, cleaning and adjusting	11	6
(*b*) Testing only (cleaning and adjusting not required)	1	0
(*c*) Testing and adjusting (cleaning not required)	3	0

If the binocular is found to require repair before it can be adjusted, it will be returned to the sender with a statement of the repairs required. Repairs will not be undertaken in the inspection department. In this case a charge of 3*s.* 10*d.* for each binocular will be made for the examination and report.

The above charges do not include the cost of returning binoculars to the sender, which will be additional.

In the event of the death of an officer on the active list, his C.O. will take the necessary action to recover the pistol, revolver, issued from public equipment, and return it to the R.A.O.C., obtaining a receipt for transmission to the officer's next of kin. A copy of the receipt will be forwarded by the D.A.D.O.S. direct to the War Office for insertion in the officer's personal file.

In all instances where pistols, revolver, have been recovered and re-issued within the unit, the O.C. will issue a receipt to the officer or next of kin and forward a copy direct to the War Office for insertion in the officer's personal file.

6. If an officer, except by reason of ill health, death or such special circumstances as the Army Council may decide, does not serve for four years from the date of his appointment to a regular commission, his binoculars and prismatic compass must be returned to his C.O. in serviceable condition or a sum must be paid equal to the price of these articles stated in the Vocabulary of Army Ordnance Stores.

As a condition of the issue of binoculars and/or prismatic compass, or of their retention after appointment to a regular commission where they have already been issued at the Royal Military Academy or Royal Military College, an officer, or, in the case of a minor, a person under no legal disability and approved by the Army Council, shall sign an undertaking to return these articles in serviceable condition or to pay the appropriate sum if required to do so under this regulation.

APPENDIX 47

(Referred to in paras. 392 and 393)

WAR SCALE OF ILLUMINANTS AND WICK REQUIRED FOR LAMPS, ETC., IN WAR EQUIPMENTS

Designation.	Illuminant for each lamp, etc.			Wick for each lamp, etc.		
	Designation.	Quantity for one filling.	Quantity to be issued on mobilization =4 days' supply.	Designation.	Quantity for one filling.	Quantity to be issued on mobilization.
Section C3						
Lamps, bicycle, front	Oil, kerosene	½ gill	1 pt.	Flat, ⅝-in. (solid)	4 in.	8 in.
Section E5						
Lamps, railway, hand	Oil, kerosene	¼ pt.	2 pts.	Flat, ⅜-in.	6 in.	18 in.
Section F						
Lamps—						
Brazing—						
½-pt.	Petrol	½ pt.	6 pts.	—	—	—
1-pt.	Oil, kerosene	1 pt.	16 pts.	—	—	—
	Methylated spirit, mineralized	—	½ pt. (*a*)	—	—	—
2-pt.	Oil, kerosene	2 pts.	32 pts.	—	—	—
	Methylated spirit, mineralized	—	1 pt. (*a*)	—	—	—
5-pt., Mk. I	Oil, kerosene	4 pts.	32 pts.	—	—	—
	Methylated spirit, mineralized	—	4 pts. (*a*)	—	—	—
Spirit—						
Blowpipe	Methylated spirit, mineralized	½ pt.	6 pts.	Round, ⅜-in.	6 in.	48 in.
½-pt.	Methylated spirit, mineralized	1 gill	2 pts.	Round, ⅜-in.	6 in.	48 in.
Section J1						
Flarelights, acetylene—						
150-c.p.	Calcium carbide, coarse	1 lb.	6 lb.	—	—	—
1,000-c.p.	,, ,,	18 lb.	48 lb.	—	—	—
2,000-c.p.	,, ,,	27 lb.	72 lb.	—	—	—
Lamps—						
Acetylene	Calcium carbide, fine	½ lb.	4 lb.	—	—	—
Operating, Fld. Amb., Mk. IV	Calcium carbide, coarse	1 lb.	10 lb.	—	—	—
Pressure, paraffin	Oil, kerosene	1½ pts.	6 pts.	(*b*)	(*b*)	(*b*)
	Methylated spirit, mineralized	—	½-pt (*a*)	—	—	—
,, petrol	Petrol	1½ pts.	6 pts.	(*c*)	(*c*)	(*c*)
Section J1 (N.I.V.)						
Lamps, traffic control	Oil, kerosene	⅕ pt.	2 pts.	Flat, ¼-in.	6 in.	18 in.
Warmers, food, spirit lamp ...	Methylated spirit, mineralized	¼-pt.	1¼ pts.	Round, ½-in.	3 pieces of 6 in. each	18 in.
Section J2						
Cookers, portable—						
No. 1	Petrol	24 pts.	80 pts.	—	—	—
No. 2	,,	1 pt.	8 pts.	—	—	—
No. 3	,,	3½ pts.	18 pts.	—	—	—
Section J2 (N.I.V.)						
Lamps, Incanto Patt. H ...	Calcium carbide, coarse	1 lb.	6 lb.	—	—	—

APPENDIX 47—*continued*

Designation.	Illuminant for each lamp, etc.			Wick for each lamp, etc.		
	Designation.	Quantity for one filling.	Quantity to be issued on mobilization =4 days' supply.	Designation.	Quantity for one filling.	Quantity to be issued on mobilization.
Section KE						
Lamps—						
Barrack, standing	Oil, kerosene	1½ pts.	4 pts.	Flat, ⅞-in.	8 in.	24 in.
Hanging	,, ,,	1½ pts.	6 pts.	Flat, "Duplex"	2 pieces of 7 in. each	6 pieces of 7 in. each
Hurricane	,, ,,	1 pt.	4 pts.	Flat, ⅞-in.	8 in.	24 in.
,, holders, candle	Candles	One	1 lb.	—	—	—
R.R., Mk. II	Oil, kerosene	2 pts.	8 pts.	Circular, 1⅞-in.–8-in.	8 in.	24 in.
Standing	,, ,,	1½-pts.	6 pts.	Flat, "Duplex"	2 pieces of 7 in. each	6 pieces of 7 in. each
Section KE (N.I.V.)						
Lamps—						
Hand, acetylene	Calcium carbide	10 oz.	2 lb.	—	—	—
Operating, acetylene, large	,,	3 lb.	40 lb.	—	—	—
Stoves, oil—						
Heating, "Aladdin"	Oil, kerosene	8 pts.	32 pts.	"Aladdin"	1	1 every 4 stoves
Primus, Roarer—						
4-burner	Oil, kerosene	4 pts.	32 pts.	—	—	—
	Methylated spirit, mineralized	—	1 pt. (*a*)	—	—	—
6-burner	Oil, kerosene	4 pts.	32 pts.	—	—	—
	Methylated spirit, mineralized	—	1 pt. (*a*)	—	—	—

Section KF						
Stoves, oil—						
Beatrice	Oil, kerosene	2 pts.	16 pts.	Flat, 4-in.	8 in.	16 in.
Cooking	,, ,,	8 pts.	48 pts.	(*d*)	(*d*)	(*d*)
Heating—						
150-c.p.	,, ,,	3 pts.	3 gal.	(*d*)	(*d*)	(*d*)
300-c.p.	,, ,,	6 pts.	6 gal.	(*d*)	(*d*)	(*d*)
Wickless—						
No. 1	Oil, kerosene	2 pts.	10 pts.	—	—	—
	Methylated spirit, mineralized	—	½ pt. (*a*)	—	—	—
No. 5	Oil, kerosene	2 pts.	10 pts.	—	—	—
	Methylated spirit, mineralized	—	½ pt. (*a*)	—	—	—
Section KG						
Trailer, fire pump—						
Lamps, oil heating	Oil, kerosene	1 pt.	¾ pt.	Flat, ½-in.	6 in.	24 in.
Section W1 (N.I.V.)						
Lamps, miners, acetylene	Calcium carbide, coarse	2 lb.	—	—	—	—
M.T. Section 1						
Lamps, blow, brazing, 1¾-pt.	Oil, kerosene	1¾ pts.	28 pts.	—	—	—
M.T. Section 2						
Vulcanizers—						
Standard "A"	Oil, kerosene	—	56 pts.	—	—	—
Major	,, ,,	—	72 pts.	—	—	—
Minor	,, ,,	—	72 pts.	—	—	—

(*a*) For pre-heating burners.
(*b*) Wick not required. 2 mantles are included in the box in which the lamp is issued. 2 additional mantles will be issued by R.A.O.C. on mobilization.
(*c*) Wick not required. 4 mantles are issued with the lamp. 4 additional mantles will be issued by R.A.O.C. on mobilization.
(*d*) Wicks are not standard and the make and sizes of stoves must be stated on indent.

APPENDIX 48

(*Referred to in paras.* **82** *and* **413**)

DANGEROUS STORES

The stores mentioned in this appendix must be kept separate from other stores, but all may be stored together except matches and calcium carbide. Care must be taken that all packages are sound and that the precautions given in column 3 for " Dangerous, Corrosive, and Poisonous Chemicals," and " Dangerous Miscellaneous " items are observed.

Varnishes and paints which have become hard or unworkable through cold or long storage must on no account be melted by heat, as such heating increases the vapour pressure of the varnish or paint, inducing a risk of fire if a naked flame should be near the container. The varnishes, etc., will instead be thinned by successive small additions (not exceeding altogether one-tenth the bulk of the varnish, etc.) of suitable thinners, such as white spirit, methylated spirits, etc., according to the nature of the varnish, etc., under treatment.

When the stores are despatched by rail they must be packed and consigned in accordance with the " Classification of Dangerous Goods by Merchandise Trains," and the conditions laid down therein for each class of goods must be observed. Extracts from the conditions are printed on the cover of A.F. G 996 (Carriers' Note for Explosives and other Dangerous Goods) for the guidance of units not in possession of this publication, and particulars of packing can be ascertained from the Officer i/c Transport or A.D.O.S. of the area when necessary. Dangerous stores in packages as received from the issuing depot or department can be considered as fulfilling the railway packing regulations, *e.g.* paint prepared for use, in cylinders, turpentine, etc., in drums, compressed gases in cylinders.

All vouchers and other documents connected with the issue and transport of these stores will be marked conspicuously in red with the enfacement shown under the different classifications below, and will show the description of the stores and packages.

Packages will be marked or labelled as detailed in the extracts from the conditions printed on the cover of A.F. G 996 (Carrier's Note). Emptied packages and valves of gas cylinders must be kept securely closed.

When artificial light is necessary in handling these stores only an efficiently protected electric light (fixed or hand lamp) may be used.

1. Inflammable Liquids and Substances—Flashing below 73° Fahrenheit when Tested in Accordance with the Petroleum Act, 1926.

Classification.

(A) **Inflammable Liquids and Substances—Class A.**

Enfacement of documents—" Highly Inflammable—Class A."

Description.

Benzene.	Naphtha, coal tar.
Bitumastic solution.	Pintoff.
Cement, celluloid.	Solution, rubber.
Cement, R.D.	Varnish for cuirasses.
Ether.	Xylol (*a*).
Lacquer, dead black.	

(B) **Inflammable Liquids Completely Soluble in Water and Compositions made therewith.**

Enfacement of documents—" Inflammable Liquids, etc., completely soluble in water."

Description.

Acetone.	Knotting.
Cement, linoleum.	Lacquer, pale gold.
Cement, Pettmans.	Lacquer, white.
Cement shellac.	Methylated spirits.
Compass spirit.	Nitre, sweet spirits of.
Composition adhesive.	Polish, French.
Engine jointing compound.	Varnish, shellac.
Fluid, jacks.	Wine, spirits of pure.

2. Inflammable Liquids and Substances—Flashing below 150° Fahrenheit but not Flashing below 73° Fahrenheit when Tested in Accordance with the Petroleum Act, 1926.

Classification.

Inflammable Liquids and Substances—Class B.

Enfacement of documents—" Inflammable—Class B."

Description.

Paint, enamels.	Varnish, carriage.
Paint prepared for use.	Varnish, chart.
Polish, floor.	Varnish, exterior.
Polish, metal.	Varnish for bright work.
Spirit, white.	Varnish, interior.
Turpentine.	Varnish, pine.
Varnish, black, Brunswick.	Xylol (*b*).
Varnish, black tar.	

(*a*) Xylol is classified under the Inflammable Class B when the flash point is known to be above 73° Fahrenheit.

(*b*) Xylol is classified under " Highly Inflammable Class A " when the flash point is known to be below 73° Fahrenheit.

3. Dangerous, Corrosive and Poisonous Chemicals, and Dangerous Miscellaneous.

Documents must be marked conspicuously in red "Dangerous" and with the nature of the danger involved, such as "highly corrosive," "poisonous," "highly compressed," etc., and with the special precautions to be taken, if any, such as "must be kept dry," "must be kept cool," etc., and show the designation of the store and packages.

Packages must be marked conspicuously in red "Dangerous" and the nature of the danger involved, and special precautions, if any, to be taken as in the case of documents above, also with a brief description of the contents. Particulars of the additional marking and labelling required by the railway "Classification of Dangerous Goods" should be obtained from the Officer i/c Transport or A.D.O.S. of the area. All packages must be handled carefully.

Designation.	Nature of Danger.	Precautions.
Section 1		
Acid, carbolic, liquid.	Poisonous, corrosive.	Avoid contact with skin.
Acid, hydrochloric (muriatic).	Poisonous, corrosive.	Avoid contact with skin and clothing.
Acid, nitric.	Poisonous, highly corrosive, may fire combustible matter.	Keep cool, avoid contact with skin, clothing and combustible matter.
Acid, oxalic, solid (or dry).	Poisonous.	—
Acid, sulphuric. / Acid, chlorosulphonic	Poisonous, highly corrosive, develops considerable heat with water.	Avoid contact with skin, clothing and water.
Ammonia, liquor, 0·880.	Evolves asphyxiating gas, develops pressure if heated.	Keep cool, securely stoppered and apart from acids.
Arsenic, white.	Highly poisonous.	Dust must not be inhaled nor material allowed to become scattered about.
Ink, celluloid, black. / Ink, celluloid, violet.	Corrosive.	Avoid contact with skin.
Solution, bronzing.	Poisonous, corrosive.	Avoid contact with skin and clothing.
Section 2		
Acid, oxalic, solution.	Poisonous.	—
Acid, phosphoric, syrupy.	Corrosive.	Avoid contact with skin.
Electrolyte. / Electric batteries containing acid.	Poisonous, corrosive.	Avoid contact with skin and clothing.

Designation.	Nature of Danger.	Precautions.
Section 2—continued		
Paste, flux soldering. / Zinc, chloride, solution of.	Poisonous, corrosive.	Avoid contact with skin.
Steel, tincture of, methylated.	Corrosive, evolves inflammable vapour if heated.	To be kept cool.
Dangerous Miscellaneous		
Calcium carbide.	Evolves highly inflammable gas in contact with moisture.	Must be kept dry. Keep apart from combustible stores.
Charcoal, pit.	Liable to develop heat in contact with moist air.	Keep apart from other combustible stores.
Matches, safety. / Matches, fuzee, safety.	Readily ignited.	Avoid friction or blows. Keep apart from acids and combustible stores.
Compressed gases in cylinders (*a*)—		
Acetylene.	Highly compressed. Highly inflammable.	Must be kept cool.
Ammonia, anhydrous.	Highly compressed. Asphyxiating.	
Carbonic acid gas.	Highly compressed. Intensifies fire.	
Oxygen.	Highly compressed.	
Cinematograph films.	Readily ignited.	*See* para. 56.
Oil dressed clothing.	Readily ignited.	—
Phosphorus, white, w.p.	Ignites spontaneously in contact with air.	Must be kept immersed in water.

(*a*) Cylinders not provided with a screw cap over the valve must be packed in a cover, cylinder (mat cover).

APPENDIX 49

(Referred to in para. **357**)

REGULATIONS FOR TESTING SPARS, ROPES AND CORDAGE

All spars used for instructional bridging will be tested annually. The test load will be the safe working load plus 25 per cent. This should be applied centrally over the longest span which the spar can cover. Pairs of bollards should be fixed in the ground to give clear spans of 10, 15, 20, 30, 35, 40 and 50-ft., and the load applied by means of a wire rope extending from a winch to the centre of the spar. In order to measure the load, a " machine, testing and weighing," will be used. One of these is held on charge by the R.A.O.C. in each command for issue on loan when required. The wire rope should be attached to one end of the machine, while to the other a sling should be fixed which will be fastened round the centre of the spar under test. The winch must be fixed to an anchorage amply capable of sustaining the load to be applied to any spar.

The table given below contains the central test load for fir spars, the modulus of rupture being taken at 6,000 lb. a square inch and the factor of safety at 3.

The test will consist in noting the deflection of the spar under the load, seeing that it is not excessive and that there is no permanent deflection in the spar when the stress is removed. The maximum deflection generally permissible should not exceed about one-eightieth of the span. Spars which show an excessive deflection or a permanent set will be cast. In the case of light spars which are not intended to carry a load, *e.g.* handrails, a greater deflection than that mentioned may be allowed, provided there is no permanent set.

Central Test Loads for Spars

Circumference of spar in inches at its centre.	Loads in cwt. Span in feet. 10	15	20	30
11	3	2	1½	1¼
12	4	2½	2	1¼
13	5	3½	2½	1½
14	6	4	3	2
15	8	5	4	2½
16	10	6½	5	3
17	11	8	5½	4
18	14	9	7	4½
19	16	11	8	5¼
20	19	13	9½	6½
21	21	15	10	7½
22	25	17	12½	8½
23	29	19½	14½	10
24	33	22	16½	11
25	38	24	19	12
26	41	28	21	14
27	46	30½	23	15
28	52	34	26	17
29	58	38	29	19
30	64	42	32	21

Circumference of spar in inches at its centre.	Loads in cwt. Span in feet. 10	15	20	30	35	40	50
31	70	46	35	23	20	17½	14
32	78	52	39	26	22	19	15½
33	85	56½	42½	29	24	21	17
34	91	62½	46	31	26	23	18½
35	100	68	50	34	29	25	20
36	110	74	55	37	31	27	22
37	119	80	60	40	34	29	24
38	129	86	64	42	37	32	26
39	—	94	69	46	41	34	28
40	—	100	75	50	43	37	30
41	—	107	80	54	46	40	32
42	—	116	87	58	50	43	35
43	—	125	93	62	53	46	37
44	—	—	100	67	57	50	40
45	—	—	107	72	61	53	43
46	—	—	114	77	65	57	46
47	—	—	122	82	70	60	49
48	—	—	130	87	75	64	52
49	—	—	—	92	79	68	55
50	—	—	—	99	84	73	59

Ropes and Cordage

The test load for ropes and cordage will be the safe working load plus 25 per cent. This may be applied in a manner similar to the test load for spars, use being made of the " machine, testing and weighing," for measuring the load. The rope or cordage should be laid out at full length along the ground, one end being connected to the barrel of the winch and the other passed through the sheave of a single block and made fast to itself by two half-hitches. The block is hooked into the testing machine. The object of the block, which contains a swivel, is to allow the rope to unlay itself.

For steel wire rope the test loads are given below. These are calculated on the assumption that the breaking strain equals $7/4C^2$ in tons and that a factor of safety of 3 is used. Should the rope be known to be of a superior quality to this, the test loads may be altered accordingly.

Test Loads for Steel Wire Rope

Circumference in inches.	Loads in cwts.
1	14½
1½	33
2	58
2½	90
3	130

It will not be easy to apply test loads to 3-in. ropes and upwards on account of their magnitude. If it is not possible, the ropes will be examined carefully throughout their length for signs of weakness. The circumference of worn ropes should be accurately measured and the working load reduced accordingly.

Test Loads for Hemp Cordage

For hemp cordage the test loads are given in the following table. In this the loads are calculated from the two formulæ; C^2 cwt. and $2C^2$ cwt. The actual load to be applied in each case must be determined between these limits according to the condition of the cordage.

Circumference of cordage in inches.	Loads will vary according to condition of cordage.	
	From—	To—
	cwt.	cwt.
1	1¼	2½
1½	2¾	5½
2	5	10
2½	8	16
3	11¼	22½
3½	15½	31
4	20	40

APPENDIX 50

(Referred to in para. **522**)

STAMPS, ETC., FOR MARKING

Designation.	Guards Depot and R.A.O.C. Depot.	Infy. Depot and R.A.C. Depot.	Rifle Depot.	R.A.M.C. Depot.	Other units and depots.
Section F					
Anvils, 11-lb.	1	1	1	2	1
Hammers, carpenters, Warrington pattern, 8-oz.	1	1	1	2	1
Plates, stencil, brass, interlocking, 1½-in.(*a*)	1	1	1	1	1
Letters, sets					
Letters, single—					
A, C, D, H, L, N, O, P, R, S, T, of each	1	1	1	1	1
E	2	2	2	2	2
Stamps, marking textiles (*b*)—					
½-in. figures, 0 to 9 sets ... ... set	3	3 (*c*)	3	2	1
½-in. letters (*d*) ,,	1	1	1	2	1
2-in. ↓ ↑	1	1	1	2	1
Holders (*e*)	2	2	2	4	2
Stamps, steel for metal—					
5/64-in. figures, 0 to 8, sets (*f*) ... set	1	—	—	—	1
5/64-in. letters (*d*) sets (*f*) ... set	1	—	—	—	1
5/64-in. dash lines (*f*)	1	—	—	—	1
⅛-in. figures 0 to 8, sets ... ... set	1	1	1	2	1 (*g*)
⅛-in. letters (*d*) sets ,,	1	1	1	2	1 (*g*)
¼-in. figures 0 to 8 sets set	1	1	1	2	1 (*g*)
¼-in. letters (*d*) sets ,,	1	1	1	2	1 (*g*)
Stamps, steel ↓ ↑, ½-in. ...	1	1	1	2	1

(*a*) For marking kit bags with the surname of the owner.
(*b*) When "Stamps, copper, inlaid" are exhausted.
(*c*) 1 additional set for A.F.V. School.
(*d*) As required.
(*e*) When "Typeholders, blocks and type" are exhausted.
(*f*) Only issued when armourer is included in peace establishment. Included in **Appx. 6,** Table 1.
(*g*) 2 additional for A.A. Searchlight Battalion, R.E.

APPENDIX 51

(Referred to in paras. **152, 532, 551** *and* **553)**

MARKING OF SMALL ARMS AND MACHINE GUNS

1.—Issued from store for other than Ordinary Service

(*a*) EXTRA SERVICE ARMS	Will be marked by the R.A.O.C. with the distinctive letters of the issuing depot, as laid down in **Appendix 53**, and with consecutive numbers. They will receive no corps marks, except in the event of their being taken on active service when they will receive corps marks and corps consecutive numbers. The size of the marks and the implements to be used for marking will be as detailed hereafter for arms issued for ordinary service.
(*b*) SMALL ARMS ISSUED ON LOAN FOR TEMPORARY PURPOSES	Will not be marked.
(*c*) SMALL ARMS AND MACHINE GUNS SOLD TO—	
(i) THE ADMIRALTY AND AIR MINISTRY	Will only be marked as arranged by the Admiralty and Air Ministry.
(ii) THE INDIAN GOVERNMENT ... ... FOREIGN POWERS... ... ... BRITISH DOMINIONS ... ... COLONIES ... ... PROTECTORATES	Will not be specially marked, except in the case of British Dominions, who may require special markings, *e.g.*  for Australia,  for Canada, N ↑ Z for New Zealand,  for South Africa.
(iii) COUNTY ASSOCIATIONS FOR CADET UNITS ...	Will be marked :— (*a*) In the case of rifles and carbines, with the special sale mark with the letter C on either side, thus  . (*b*) In the case of other small arms, with the usual sale mark with the letter C on either side, thus C→←C.
(iv) ANY PURCHASER OTHER THAN ABOVE*	Will be marked as in (*c*), but without the letter C on either side of the sale mark.
(*d*) CONDEMNED SMALL ARMS AND MACHINE GUNS (INCLUDING D.P. RIFLES WHEN SOLD)	Will be marked thus .
(*e*) SMALL ARMS HELD FOR MOBLIZATION	Will only be marked on mobilization with corps marks and consecutive numbers (*see also* para. **524**).
(*f*) PISTOLS ISSUED TO OFFICERS, ON FIRST APPOINTMENT TO PERMANENT COMMISSIONS OR IN REPLACEMENT OF LOSSES.	Will not be marked.

* This does not refer to issues to Troops to replace lost and damaged small arms that have been paid for, as, in such cases, it is the lost or damaged arm, not the new one, that is paid for.

2. Issued from store for Ordinary Service

ARMS ISSUED FOR ORDINARY SERVICE will be marked as detailed below. For a full detail of the authorized abbreviations of corps titles, *see* Lists I, II and III of this Appendix. Some illustrations of the proper juxtaposition of corps marks and consecutive numbers are given in this Appendix. The marking must be no deeper than is necessary.

Arms, etc.	Corps marks.	Position of marks.	Sizes of marks. Letters.	Figures.	Dash lines.	Implements with which marking is to be done.	Remarks.
			in.	in.	in.		
Rifles and Lewis ·303-in. machine guns with disc embedded in butt.	Corps marks and consecutive numbers.	On the disc	$\frac{5}{64}$	$\frac{5}{64}$	—	Stamps, steel, for metal.	Disc to be removed for the purpose of being marked.
Pistol— Revolver ...	,, ,,	Underside of stock of body in rear of swivel.	$\frac{5}{64}$	$\frac{5}{64}$	—	,, ,,	—
Signal	,, ,,	On upper part of strap of stock.	$\frac{5}{64}$	$\frac{5}{64}$	—	,, ,,	—
Lances	,, ,,	On shoe, above collar; marks to be in an upright position.	$\frac{5}{64}$	$\frac{5}{64}$	—	,, ,,	—
Bayonets	,, ,,	On pommel, the marks to be on that side which is away from the body when worn.	$\frac{5}{64}$	$\frac{5}{64}$	—	,, ,,	—
Dirks	,, ,,	On band at bottom of hilt	$\frac{1}{8}$ and $\frac{5}{64}$	$\frac{1}{8}$	—	To be engraved	—

2. Issued from store for Ordinary Service—*continued*

Arms, etc.	Corps marks.	Position of marks.	Sizes of marks. Letters.	Figures.	Dash lines.	Implements with which marking is to be done.	Remarks.
			in.	in.	in.		
Sword, Mk. I	Corps marks and consecutive numbers.	Lengthways, on edge of hilt.	$\frac{5}{64}$	$\frac{5}{64}$	—	Stamps, steel, for metal.	—
drummers ,, II	,, ,,	At bottom of hilt ...	$\frac{5}{64}$	$\frac{5}{64}$	—	To be engraved.	—
Swords, other kinds (except Naval).	,, ,,	On termination of guard at back of hilt.	$\frac{5}{64}$	$\frac{5}{64}$	—	Stamps, steel, for metal.	—
Scabbards— Bayonet ...	Consecutive numbers only.	On top of mouthpiece ...	—	$\frac{5}{64}$	—	,, ,,	To be held in vice by locket steel between wooden clams, which the armourer must make.
Dirk, for all services, except Scots Guards.	Corps marks and consecutive numbers.	On locket above loop ...	$\frac{1}{8}$ and $\frac{5}{64}$	$\frac{1}{8}$	—	To be engraved.	—
Dirk, for Scots Guards.	Corps marks and consecutive numbers, and the letters "S.G."	Letters "S.G.": in centre of thistle in front of locket.	$\frac{3}{8}$	—	—	,, ,,	—
		Other marks: on locket above loop.	$\frac{1}{8}$ and $\frac{5}{64}$	$\frac{1}{8}$	—	,, ,,	—

Scabbards— Sword, with flat mouthpiece.	Corps marks and consecutive numbers.	On top of mouthpiece ...	$\frac{5}{64}$	$\frac{5}{64}$	—	Stamps, steel for metal.	When holding locket in vice, care to be taken not to compress sides unduly.
Sword, with curved mouthpiece with band.	,, ,,	On that side of band of mouthpiece which is next to the body when worn.	$\frac{5}{64}$	$\frac{5}{64}$	—	,, ,,	The mouthpiece should be removed and held on a mandril for the purpose of being marked.
Sword, with curved mouthpiece without band.	,, ,,	Immediately below mouthpiece, on that side of scabbard which is next to the body when worn.	$\frac{5}{64}$	$\frac{5}{64}$	—	,, ,,	The mouthpiece should be removed and a mandril inserted into the scabbard.
Drummers ...	,, ,,	On reverse side of locket	$\frac{1}{8}$ and $\frac{5}{64}$	$\frac{1}{8}$	—	To be engraved	—
APPURTENANCES, ETC.							
Rods, cleaning, pistol.	Consecutive numbers only.	On the ring	—	$\frac{5}{64}$	—	Stamps, steel, for metal.	—
Bottles, oil ...	,, ,,	On top of stopper ...	—	$\frac{5}{64}$	—	,, ,,	—
Pull-throughs (·303-in arms).	,, ,,	About centre of weight	—	$\frac{5}{64}$	—	,, ,,	—
MACHINE GUN ACCESSORIES, ETC.							
Bags, spare parts and tools, M.G.	Corps marks and consecutive numbers.	On the back	$\frac{1}{2}$	$\frac{1}{2}$	—	Stamps, copper inlaid, (*a*) and black paint.	—
Belts, ·303-in. 250 rounds, Mk. I.	,, ,,	On one of the brass tangs	$\frac{5}{64}$	$\frac{5}{64}$	—	Stamps, steel for metal.	—

2. Issued from store for Ordinary Service—*continued*

Arms, etc.	Corps marks.	Position of marks.	Sizes of marks. Letters.	Figures.	Dash lines.	Implements with which marking is to be done.	Remarks.
			in.	in.	in.		
Boxes, battalion spares, Lewis ·303-in. M.G.	Corps marks only.	On the front	1	1	—	Stencils and white paint.	Stencils to be made locally.
Boxes, belt, Vickers ·303-in. M.G. ...	Corps marks and consecutive numbers.	,, ,, ...	1	1	—	,, ,,	,, ,,
Boxes, carrier, magazines, Lewis ·303-in. M.G.	,, ,,	,, ,, ...	1	1	—	,, ,,	,, ,,
Boxes, spare parts and tools, Vickers ·303-in. M.G.	,, ,,	,, ,, ...	1	1	—	Stencils and black paint.	,, ,,
Braces, pouch, Lewis gun.	,, ,,	On the inside and central	½	½	—	Stamps, copper inlaid, and (*a*) black paint.	—
Carriers, magazine, Lewis ·303-in. M.G.	,, ,,	On the bottom	½	½	—	,, ,,	—
Cases, clinometer	,, ,,	Top of lid on the right	¼	¼	—	Stamps, steel.	—
Cases, cans, ·303-in. M.G.	,, ,,	Top of lid	¼	¼	—	,, ,,	—
Cases, rule, slide, M.G.	,, ,,	On the back	½	½	—	Stamps, copper, inlaid (*a*), and black paint.	—

Cases, spare barrel and cleaning rod, ·303-in. M.G.	,, ,,	On the front below the buckle.	¼	¼	—	Stamps, steel.	—
Cases, spare parts and tools, Vickers ·303-in. M.G.	,, ,,	,, ,,	¼	¼	—	,, ,,	—
Chests, Vickers or Lewis, ·303-in. M.G.	,, ,,	On the front	1	1	—	Stencils and white paint.	Stencils to be made locally.
Covers, Lewis ·303-in. M.G.	,, ,,	On left side at front end	½	½	—	Stamps, copper, inlaid (*a*), and black paint.	—
Holdalls, Lewis, ·303-in. M.G.	,, ,,	On the outer flap below the handle.	½	½	—	,, ,,	—
Holders, gun, mounting tripod A.A. Lewis, ·303-in., M.G.	,, ,,	On gun band	5/64	5/64	—	Stamps, steel for metal.	—
Mountings, tripod, A.A., Lewis or Hotchkiss, ·303-in., M.G.	,, ,,	On leg with linch pin; 2-in. below upper joint on left side.	5/64	5/64	—	,, ,,	—
Mounts, field, Lewis ·303-in., M.G., Mk. III.	,, ,,	On the gun band ...	5/64	5/64	—	,, ,,	—
Pouches, foresight, bar, deflection.	,, ,,	On the back	½	½	—	Stamps, copper, inlaid, (*a*) and black paint.	—
Pouches, magazine, Lewis gun.	,, ,,	,, ,, ...	½	½	—	,, ,,	—
Slings, Lewis gun	,, ,,	On the inside and central	½	½	—	,, ,,	—
Wallets, Lewis ·303-in. M.G.	,, ,,	On right side of flap near buckle.	¼	¼	—	Stamps, steel	—
Wallets, Vickers ·303-in. M.G.	,, ,,	,, ,,	¼	¼	—	,, ,,	—

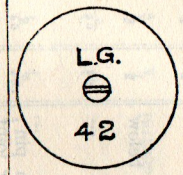
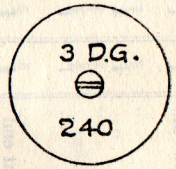
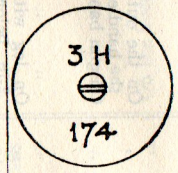
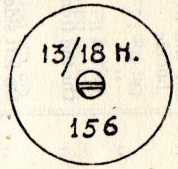
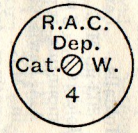
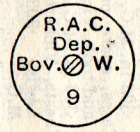
(*a*) When worn out, will be replaced by stamps, marking textiles.

LIST I

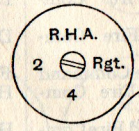
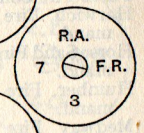
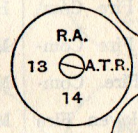
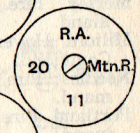
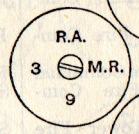
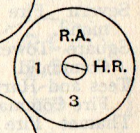
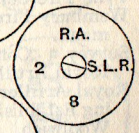
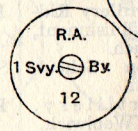
(*See paras.* **148, 149, 152** *and* **153**)

NOTES.—1. The following are the abbreviations and typical examples to be used for the titles of the undermentioned services. Some examples of the mode of combining abbreviations of titles common to several corps, with the numerals, etc., that are necessary to distinguish each individual corps bearing the common title, are given opposite the names of the units.

2. Where any change in marking is introduced by this Appendix, the existing marks on rifles should be retained. Alteration will be made when arms pass through Royal Ordnance Factories or Workshops for repair.

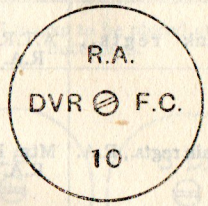
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES		
The Life Guards ...	L.G.	
Royal Horse Guards	R.H.G.	
1st King's Dragoon Guards.	1 D.G.	
3rd Carabineers (Prince of Wales's Dragoon Guards).	3 D.G.	
5th Inniskilling Dragoon Guards.	5 D.G.	
1st The Royal Dragoons.	1 D.	
3rd The King's Own Hussars.	3 H.	
9th Queen's Royal Lancers.	9 L.	
13/18th Hussars ...	13/18 H.	
17/21st Lancers ...	17/21 L.	
Royal Armoured Corps—		
Depot, Catterick Wing.	R.A.C. DEP. CAT. WING.	
Depot, Bovington Wing.	R.A.C. DEP. BOV. WING.	

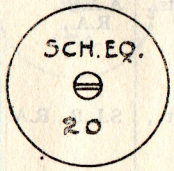
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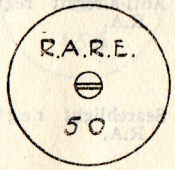
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
R.H.A. regts. ...	R.H.A.	
Field regts., R.A. ...	F.R., R.A.	
Anti-tank regts., R.A.	A.T.R., R.A.	
Mountain regts., R.A.	Mtn. R., R.A.	
Medium regts., R.A.	M.R., R.A.	
Heavy, regts., R.A.	H.R., R.A.	
Anti-aircraft regts., R.A.	A.A.R., R.A.,	
Searchlight regt., R.A.	S.L.R., R.A.	
Survey Battery, R.A.	Svy. By., R.A.	

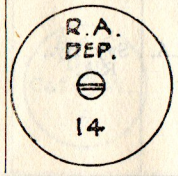
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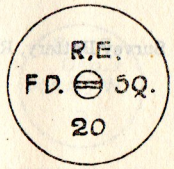
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
Clyde Fire Command	CL. F.C.	
Culver Fire Command.	CLVR. F.C.	
Dover Fire Command.	DVR. F.C.	
Drake's Fire Command.	DKS. F.C.	
Forth Fire Command	F.F.C.	
Harwich Fire Command.	HAR. F.C.	
Horse Sand Fire Command.	H.S.F.C.	
Humber Fire Command.	HUM. F.C.	
Medway Fire Command.	MDY. F.C.	
Mersey Fire Command.	MSY. F.C.	
Milford Haven Fire Command.	M.H.F.C.	
Needles Fire Command.	N.F.C.	
Portland Fire Command.	PORT. F.C.	
Rame Fire Command	R.F.C.	
Severn Fire Command.	S.F.C.	
Square Tower Fire Command.	S.T.F.C.	
Tees and Hartlepool Fire Command.	T. & H.F.C.	
Thames Fire Command.	TH. F.C.	
Tyne Fire Command	TYNE F.C.	
Wembury Fire Command.	W.F.C.	
Survey Company, Royal Artillery.	Svy. Co. R.A.	
Royal Artillery Riding Establishment, Woolwich.	R.A., R.E.	
Equitation School, Weedon.	SCH. E.Q.	
Royal Artillery, Depot, Woolwich.	R.A., DEP.	
1st Field Squadron Royal Engineers.	1 F.D. SQ. R.E.	
2nd (Field) Company Royal Engineers.	2 CO. R.E.	
3rd (Fortress) Company Royal Engineers.	3 CO. R.E.	





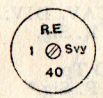


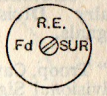


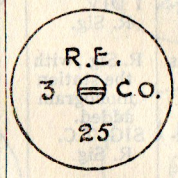


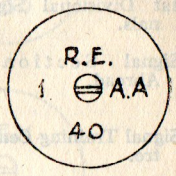
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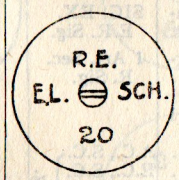
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
1st Survey Battalion, Royal Engineers.	R.E. Svy. Bn.	
Field Survey Company, Royal Engineers.	19 Fd. SUR. CO. R.E.	
1st A.A. Searchlight Battalion Royal Engineers.*	1 A.A. R.E.	
R.E. Wing, Anti-Aircraft Defence School.	R.E. A.A. SCH.	
School of Military Engineering.	S.M.E.	
Electric Light School, Royal Engineers.	R.E. E.L. SCH.	
Training Battalion Royal Engineers.	R.E. T.BN.	
Depot Battalion Royal Engineers.	R.E. DEP. BN.	
Royal Engineer Mounted Depot.	R.E. MTD. DEP.	
Railway Training Centre, Royal Engineers.	R.E. R.T. CEN.	
Establishment for R.E. Services.	E.S. R.E.	
Supernumerary Staff, Royal Engineers.	S.S. R.E.	
Royal Corps of Signals	R. Sig.	
"A" Corps Signals	A. COR. R. Sig.	

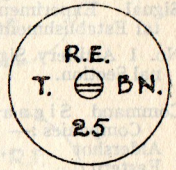


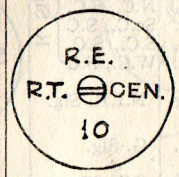


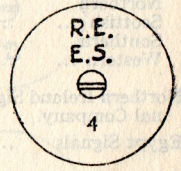


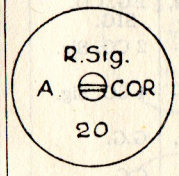


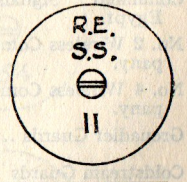






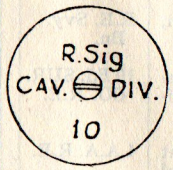
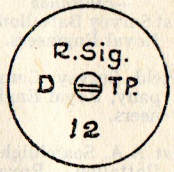
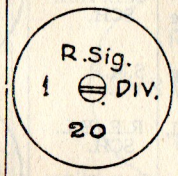
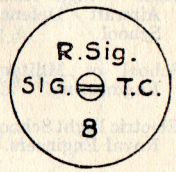
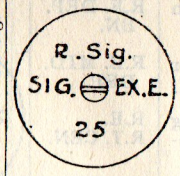
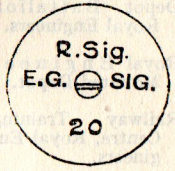






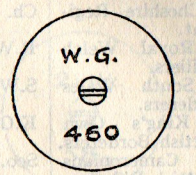
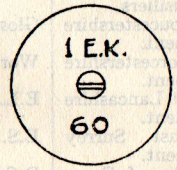
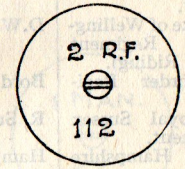
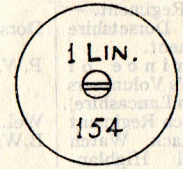
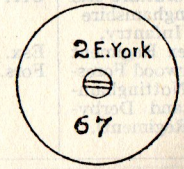
* A separate sequence of consecutive numbers is allotted for the arms of each company of the 1st A.A. Searchlight Bn., R.E.; each number will be preceded by the company designation as follows: Headquarters Wing—"H.Q.1" (upwards); "A" Company—"A.1" (upwards); "B" Company—"B.1" (upwards); "C" Company—"C.1" (upwards); "D" Company—"D.1" (upwards), etc.

LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
Cavalry Divisional Signals.	CAV. DIV. R. Sig.	
"D" Troop, Cavalry Divisional Signals.	D Tp. R. Sig.*	
1st Divisional Signals.	1 DIV. R. Sig.	
Signal Sections Abroad.	R. Sig., with the station monogram added.	
Signal Training Centre.	SIG. T.C. R. Sig.	
Signal Experimental Establishment.	SIG. EX. E.R. Sig.	
No. 1 Artillery Signal Section.	1 Art. Sec. R. Sig.	
Command Signal Companies :—		
Aldershot ...	A.C., S.C.	
Eastern	E.C., S.C.	
Northern ...	N.C., S.C.	
Scottish	Sc.C., S.C	
Southern ...	S.C., S.C.	
Western	W.C., S.C	R. Sig.
Northern Ireland Signal Company.	N.I.R. Sig.	
Egypt Signals ...	G. Sig.	
Command Signals, Egypt.	EG. CD. SIG.	
No. 2 Wireless Company.	2 CO. Sig.	
No. 4 Wireless Company.	4 CO. Sig.	
Grenadier Guards ...	G.G.	
Coldstream Guards	C.G.	
Scots Guards ...	S.G.	
Irish Guards ...	I.G.	

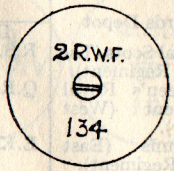
* To be used only when a troop of Cavalry Divisional Signals is a self-accounting unit.

LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
Welsh Guards ...	W.G. G	
The Guards Depot	DEP.	
The Royal Scots (The Royal Regiment).	R.S.	
The Queen's Royal Regiment (West Surrey).	Q.R.R.	
The Buffs (East Kent Regiment).	E.K.	
The King's Own Royal Regiment (Lancaster).	K.O.R.R.	
The Royal Northumberland Fusiliers.	N.F.	
The Royal Warwickshire Regiment.	R. War.	
The Royal Fusiliers (City of London Regiment).	R.F.	
The King's Regiment (Liverpool).	Kings.	
The Royal Norfolk Regiment.	Norf.	
The Lincolnshire Regiment.	LIN.	
The Devonshire Regiment.	DVN.	
The Suffolk Regiment.	Suf.	
The Somerset Light Infantry (Prince Albert's).	Som.	
The West Yorkshire Regiment (The Prince of Wales's Own).	W. York.	
The East Yorkshire Regiment.	E. York.	
The Bedfordshire and Hertfordshire Regiment.	B. & H.	
The Leicestershire Regiment.	LEIC.	
The Green Howards (Alexandra, Princess of Wales's Own Yorkshire Regiment).	G. How.	
The Lancashire Fusiliers.	L.F.	
The Royal Scots Fusiliers.	R.S.F.	

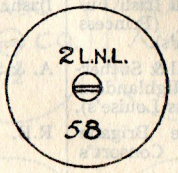
LIST I—*continued*

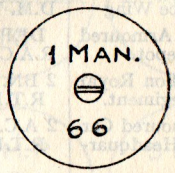
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
The Cheshire Regiment.	Ch. R.	
The Royal Welch Fusiliers.	R.W.F.	
The South Wales Borderers.	S.W.B.	
The King's Own Scottish Borderers.	K.O.S.B.	
The Cameronians (Scottish Rifles).	Sco. R.	
The Royal Inniskilling Fusiliers.	Innis.	
The Gloucestershire Regiment.	Glos.	
The Worcestershire Regiment.	Worc.	
The East Lancashire Regiment.	E.L.R.	
The East Surrey Regiment.	E.S.R.	
The Duke of Cornwall's Light Infantry.	D.C.L.I.	
The Duke of Wellington's Regiment (West Riding).	D.W.	
The Border Regiment.	Bord. R.	
The Royal Sussex Regiment.	R. Sus.	
The Hampshire Regiment.	Hamp.	
The South Staffordshire Regiment.	S. Staf.	
The Dorsetshire Regiment.	Dors.	
The Prince of Wales's Volunteers (South Lancashire).	P.W.V.	
The Welch Regiment	Wel. R.	
The Black Watch (Royal Highlanders).	B.W.	
The Oxfordshire and Buckinghamshire Light Infantry.	OXF.	
The Essex Regiment	Esx.	
The Sherwood Foresters (Nottinghamshire and Derbyshire Regiment).	Fors.	



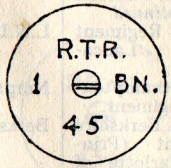
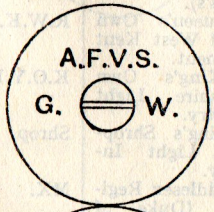
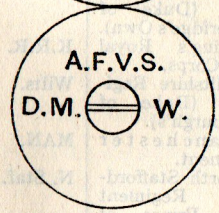
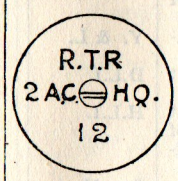
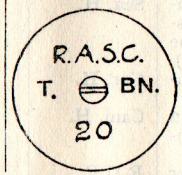
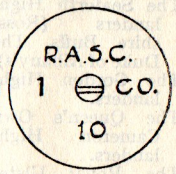
LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
The Loyal Regiment (North Lancashire).	L.N.L.	
The Northamptonshire Regiment.	Nmptn.	
The Royal Berkshire Regiment (Princess Charlotte of Wales's).	Berks.	
The Queen's Own Royal West Kent Regiment.	R.W.K.	
The King's Own Yorkshire Light Infantry.	K.O.Y.L.I.	
The King's Shropshire Light Infantry.	Shrop.	
The Middlesex Regiment (Duke of Cambridge's Own).	MX.	
The King's Royal Rifle Corps.	K.R.R.	
The Wiltshire Regiment (Duke of Edinburgh's).	Wilts.	
The Manchester Regiment.	MAN.	
The North Staffordshire Regiment (The Prince of Wales's).	N. Staf.	
The York and Lancaster Regiment.	Y. & L.	
The Durham Light Infantry.	D.L.I.	
The Highland Light Infantry (City of Glasgow Regiment).	H.L.I.	
The Seaforth Highlanders (Rossshire Buffs, The Duke of Albany's).	Sea. H.	
The Gordon Highlanders.	Gor. H.	
The Queen's Own Cameron Highlanders.	Cam. H.	
The Royal Ulster Rifles.	R.U.R.	



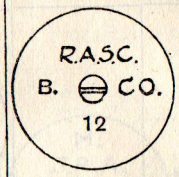
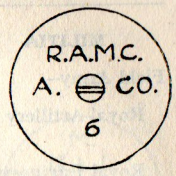
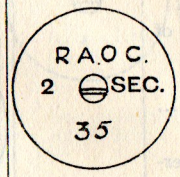
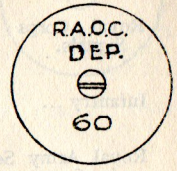
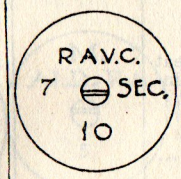
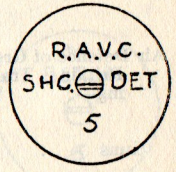
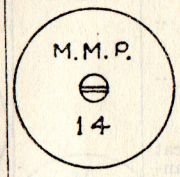
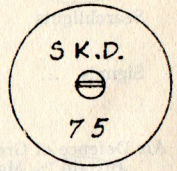
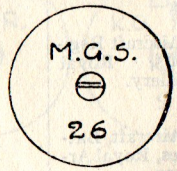


LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
The Royal Irish Fusiliers (Princess Victoria's).	Irish.	
The Argyll & Sutherland Highlanders (Princess Louise's).	A. & S.H.	
The Rifle Brigade (Prince Consort's Own).	R.B.	
Depot, Royal Inniskilling Fusiliers & Royal Irish Fusiliers.	DEP. OMAGH.	
All other Infy. Depots	DEP.*	
Royal Tank Regiment.	R.T.R.	
Army Fighting Vehicles School—		
Gunnery Wing ...	A.F.V.S. G. W.	
Driving and Maintenance Wing	A.F.V.S. D.M. W.	
The Royal Armoured Corps Depot.	DEP. R.A.C.	
2nd Battalion Royal Tank Regiment.	2 BN. R.T.R.	
No. 2 Armoured Car Group Headquarters.	2 A.C. HQ. R.T.R.	
3rd Armoured Car Company Royal Tank Regiment.	3 A.C. CO. R.T.R.	
Royal Army Service Corps.	R.A.S.C.	
Training Battalion, Royal Army Service Corps.	R.A.S.C. Trg. Bn.	
Training Centre, Royal Army Service Corps.	R.A.S.C. T. Cen.	
No. 1 (T) Company Royal Army Service Corps.	R.A.S.C. 1 CO.	

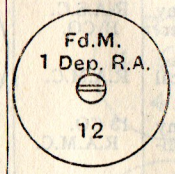
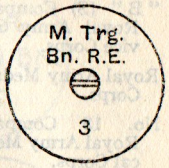
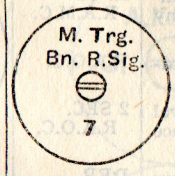
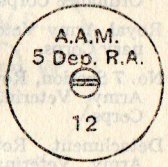
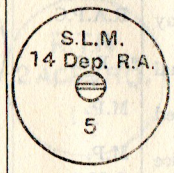
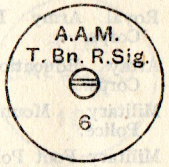
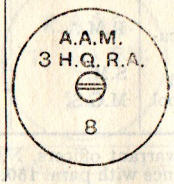
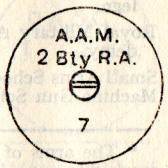
* Followed by abbreviation authorized for other regular units of Infantry regiments concerned.

LIST I—*continued*

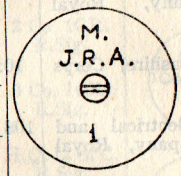
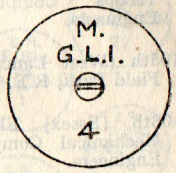
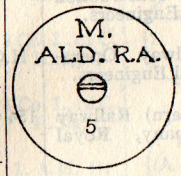
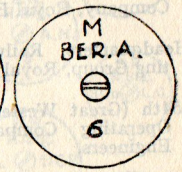
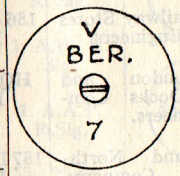
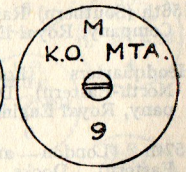
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
REGULAR FORCES —*continued*		
"B" (S) Company Royal Army Service Corps.	R.A.S.C. B. CO.	
Royal Army Medical Corps.	R.A.M.C.	
No. 13 Company Royal Army Medical Corps.	13 CO. R.A.M.C.	
"A" Depot Company Royal Army Medical Corps.	A. CO. R.A.M.C.	
Royal Army Ordnance Corps	R.A.O.C.	
No. 2 Section Royal Army Ordnance Corps.	2 SEC. R.A.O.C.	
Depot, Royal Army Ordnance Corps.	DEP. R.A.O.C.	
Royal Army Veterinary Corps.	R.A.V.C.	
No. 7 Section, Royal Army Veterinary Corps.	7 SEC. R.A.V.C.	
Detachment Royal Army Veterinary Corps, Shorncliffe.	SHC. DET. R.A.V.C.	
Royal Army Pay Corps.	R.A.P.C.	
Army Educational Corps.	*A.E.C.	
Military Mounted Police.	M.P.	
Military Foot Police	M.P.	
Royal Military College.	R.M.C.	
Royal Military Academy.	R.M.A.	
Small Arms School Machine Gun School	S.M. M.G.S.	

* The arms of warrant officers, N.C.Os. and men of the A.E.C. will be marked in accordance with para. 150.

LIST II

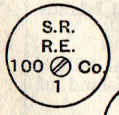
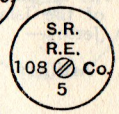
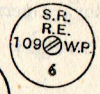
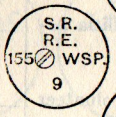
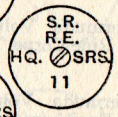
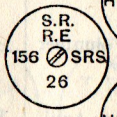
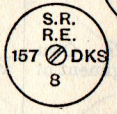
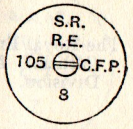
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
MILITIA		
Field Army—		
Royal Artillery ...		
Royal Engineers		
Royal Corps of Signals.		
Infantry		
Royal Army Service Corps.		
Air Defence of Great Britain Training—		
Guns		
Searchlights ...		
Signals		
Air Defence of Great Britain Manning—		
Anti-Aircraft Regiments, Royal Artillery.		
Anti-Aircraft Batteries, Royal Artillery.		 

LIST II—*continued*

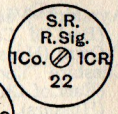
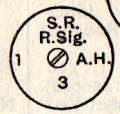
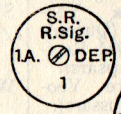
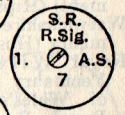
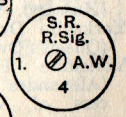
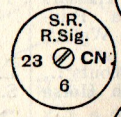
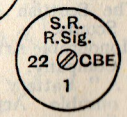
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
MILITIA—*continued*		
The Channel Islands Militia—		
The Royal Militia of the Island of Jersey—		 
Artillery ...	M. / J.R.A.	
Light Infantry	M. / J.L.I.	
Royal Guernsey—		
Artillery ...	M. / G.R.A.	
Light Infantry	M. / G.L.I.	
Royal Alderney Artillery.	M. / ALD. R.A.	 
Bermuda Militia Artillery.	M. / BER. A.	
Bermuda Volunteer Rifle Corps.	V. / BER.	
Bermuda Volunteer Engineers.	V.E. / BER.	
Royal Malta Artillery.	R.MTA.A.	
The King's Own Malta Regiment of Militia.	M. / K.O. MTA.	 
The Royal Engineers (Militia) Malta Division.	M. / MTA. R.E.	

NOTE.—Other Militia units, etc., will use the same abbreviations as the Regular Army Battalion, etc., with the addition of a prefix " M ".

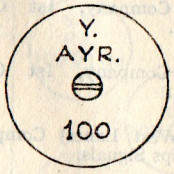
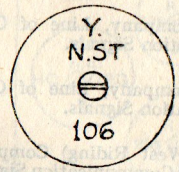
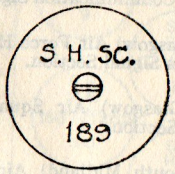
LIST IIA

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
SUPPLEMENTARY RESERVE UNITS		
100th (Monmouthshire) Army Troops Company, Royal Engineers.	100 Co. R.E.	
105th (West Lancashire) Corps Field Park, R.E.	105 C.F.P. R.E.	
108th (Essex) Electrical and Mechanical Company, Royal Engineers.	108 Co. R.E.	
109th (Glasgow) Workshop and Park Company, Royal Engineers.	109 Co. RE.	
150th (London and North-Eastern) Railway Construction Company, Royal Engineers.	150 CN. Co. R.E.	
Headquarters Railway Operating Group, Royal Engineers.	H.Q. OP.G. R.E.	
154th (Great Western) Railway Operating Company, Royal Engineers.	154 OP.G.Co. R.E.	
155th (London, Midland and Scottish) Railway Workshop Company, Royal Engineers.	155 WSP Co. R.E.	
Headquarters Railway Stores Group, Royal Engineers.	H.Q. SRS. R.E.	
156th (Southern) Railway Stores Company, Royal Engineers.	156 SRS. Co. R.E.	
Headquarters (London and North-Eastern) Docks Company, Royal Engineers.	HQ. DKS. R.E.	
157th (London and North-Eastern) Docks Company, Royal Engineers.	157 DKS. Co. R.E.	
Headquarters 1st Corps Signals	H.Q. 1 CR. R.Sig.	

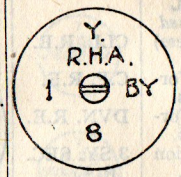
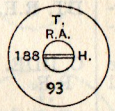
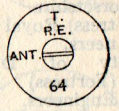
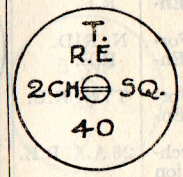
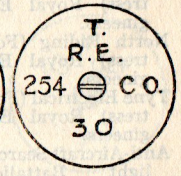
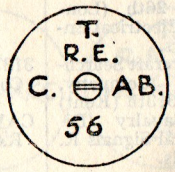
LIST IIA—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
SUPPLEMENTARY RESERVE UNITS—*continued*		
No. 1 Company, 1st Corps Signals.	1 Co. 1CR R.Sig.	
No. 2 Company, 1st Corps Signals.	2 Co. 1CR. R.Sig.	
No. 3 (West Lancs) Company, 1st Corps Signals.	3 Co. 1CR. R.Sig.	
Headquarters Line of Communication Signals.	H.Q. L. of C. R.Sig.	
No. 1 Company, Line of Communication Signals.	1 Co. L.C.R. Sig.	
No. 2 Company, Line of Communication Signals.	2 Co. L. of C. R.Sig.	
No. 3 (West Riding) Company, Line of Communication Signals.	3 Co. L. of C. R.Sig.	
No. 4 (City of London) Company, Line of Communication Signals.	4 Co. L. of C. R.Sig.	
No. 1 (Glasgow) Air Force Headquarters Signal Section.	1. A.H. R. Sig.	
No. 1 (Glasgow) Air Squadron Signal Section.	1. AS. R. Sig.	
No. 1 (South Midland) Aircraft Depot Signal Section.	1. A. DEP. R. Sig.	
No. 1 (London) Air Wing Signal Section.	1. A.W. R. Sig.	
No. 1 (East Lancashire) Advanced Aircraft Park Signal Section.	1. A.A.P. R.Sig.	
No. 23 (London, Midland and Scottish) Construction Section.	No. 23 Cn. Sec. R.Sig.	
No. 22 (London) Cable Section...	No. 22 Cbe. Sec.R.Sig.	

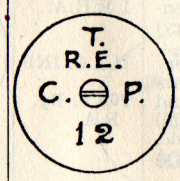
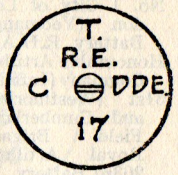
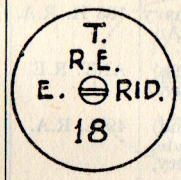
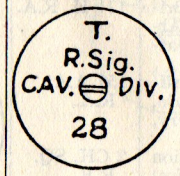
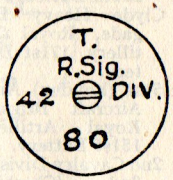
LIST III

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
TERRITORIAL ARMY		
Ayrshire Yeomanry (Earl of Carrick's Own) (Hussars).	AYR.	
Cheshire Yeomanry (Earl of Chester's) (Hussars).	CH.	
Lanarkshire Yeomanry (Lancers).	LNK.	
Duke of Lancaster's Own (Dragoons).	D.L.O.	
Leicestershire Yeomanry (Prince Albert's Own) (Hussars).	LEIC.	
Northumberland Yeomanry (Hussars).	NTB.	
Nottinghamshire Yeomanry (Sherwood Rangers) (Hussars).	NTT.	
Shropshire Yeomanry (Dragoons).	SH.	
North Somerset Yeomanry (Dragoons).	N.ST.	
Staffordshire Yeomanry (Queen's Own Royal Regiment) (Hussars).	STF.	
Warwickshire Yeomanry (Hussars).	WK.	
Royal Wiltshire Yeomanry (Prince of Wales's Own Royal Regiment) (Hussars).	WTS.	
Yorkshire Dragoons (Queen's Own).	Y.D.	
Yorkshire Hussars (Alexandra Princess of Wales's Own).	Y.H.	
The Lovat Scouts ...	L.SC.	
The Scottish Horse Scouts.	S.H.SC.	
Honourable Artillery Company.	H.A.C.	
"A" Battery Honourable Artillery Company.	A.BY. H.A.C.	

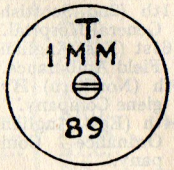
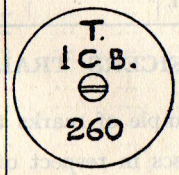
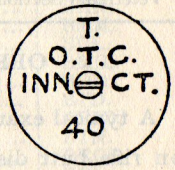
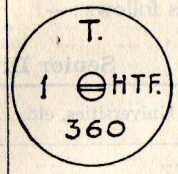
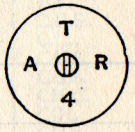
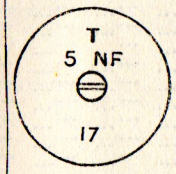
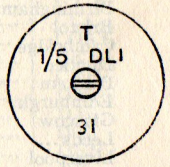
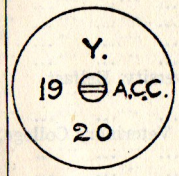
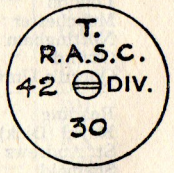
LIST III—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
TERRITORIAL ARMY—*continued*		
No. 1 City of London (Yeomanry) Battery, R.H.A.	1 R.H.A.	
Honourable Artillery Company (Infantry)	H.A.C. INF.	
51st (Westmorland and Cumberland) Field Brigade, Royal Artillery, 203rd Battery.	203 F. By. R.A.	
86th (East Anglian) (Herts Yeomanry) Brigade, Royal Artillery, 342nd Battery.	342 F. By. R.A.	
188th (Antrim) Heavy Battery, Royal Artillery.	188 H. R.A.	
Antrim (Fortress) Company, Royal Engineers.	ANT. R.E.	
13th (Highland) Light Brigade, Royal Artillery, 49th Battery.	49 L. R.A.	
51st (Cornwall and Warwickshire) Medium Brigade, Royal Artillery, 204th Battery.	204 M. R.A.	
Clyde Heavy Brigade, Royal Artillery, 171st Battery.	171 H. R.A.	
51st (London) Anti-Aircraft Brigade, Royal Artillery, 151st Battery.	151 A.A. R.A.	
2nd Cavalry Division 2nd (Cheshire) Field Squadron Royal Engineers.	2 CH. SQ. R.E.	
254th (West Lancashire) Field Company, R.E.	254 CO. R.E.	
City of Aberdeen (Fortress) Engineers.	C. AB. R.E.	
Carmarthenshire (Fortress) Engineers.	CMN. R.E.	

LIST III—*continued*

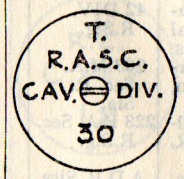
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
TERRITORIAL ARMY—*continued*		
Cornwall (Fortress) Engineers.	CLL. R.E.	
Cinque Ports (Fortress) Engineers.	C.P. R.E.	
Devonshire (Fortress) Engineers.	DVN. R.E.	
3rd Survey Section Royal Artillery.	3 SY. SEC. R.A.	
Dorsetshire (Fortress) Royal Engineers.	DT. R.E.	
City of Dundee (Fortress) Royal Engineers.	C. DDE. R.E.	
City of Edinburgh (Fortress) Royal Engineers.	C. ED. RE.	
Essex (Fortress) Royal Engineers.	EX. R.E.	
Glamorgan (Fortress) Royal Engineers.	G.M. R.E.	
Hampshire (Fortress) Royal Engineers.	HTS. R.E.	
Kent (Fortress) Royal Engineers.	KT. R.E.	
Lancashire (Fortress) Royal Engineers.	LCS. R.E.	
Renfrewshire (Fortress) Royal Engineers.	RN. R.E.	
East Riding (Fortress) Royal Engineers.	E. RID. R.E.	
North Riding (Fortress) Royal Engineers.	N. RID. R.E.	
Tyne Electrical (Fortress) Royal Engineers.	TYN. R.E.	
Anti-Aircraft Searchlight Battalion R.E. 26th (London) Electrical Engineers.	26 A.A. R.E.	
Anti-Aircraft Searchlight Company, R.E. 313th (Kent)	313 A.A. Co. R.E.	
2nd Cavalry Divisional Signals R. Signals.	CAV. DIV. R.Sig.	

LIST III—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
TERRITORIAL ARMY—*continued*		
42nd (East Lancashire) Divisional Signals, R. Signals.	42 DIV. R.Sig.	
203rd (Medium Artillery) Section, R. Signals.	203 M.A. Sec. R. Sig.	
223rd (Field Artillery) Section, R. Signals.	223 F.A. Sec. R.Sig.	
Air Defence Brigade, 26th (London) Signals Company.	A.D.B. Sigs. R.Sig.	
The Monmouthshire Regiment.	MM.	
The Cambridgeshire Regiment.	CB.	
1st (City of London) Battalion, The London Regiment (Royal Fusiliers).	1 LD.	
Inns of Court Officers Training Corps.	INN CT. O.T.C.	
The Hertfordshire Regiment.	HTF.	
The Artists Rifles ...	T.A.R.	
The Herefordshire Regiment.	H.F.	
5th Bn. The Royal Northumberland Fusiliers (53rd Searchlight Rgt.).		
1st–5th Bn. The Durham L.I. (54th Searchlight Rgt.).		
19th (Lothians & Border Horse) Armoured Car Company.	19 A.C.C.	
20th (Fife & Forfar Yeomanry) Armoured Car Company.	20 A.C.C.	
2nd Cavalry Divisional Royal Army Service Corps.	CAV. DIV. R.A.S.C.	
42nd (East Lancashire) Divisional Royal Army Service Corps.	42 DIV. R.A.S.C.	

LIST III—*continued*

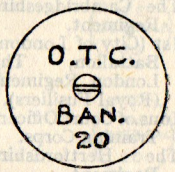
Services.	Abbreviations.	Typical marks to be placed on rifle butt discs.
TERRITORIAL ARMY—*continued*		
11th (2nd Scottish) General Hospital.	11 G.H. R.A.M.C.	
161st (East Anglian) Field Ambulance.	161 F.A. R.A.M.C.	
6th (Northern) Hygiene Company.	6 S.C. R.A.M.C.	
54th (East Anglian) Ordnance Company.	54 CO. R.A.O.C.	
50th (Northumbrian) Divisional Mobile Veterinary Section.	50 DIV. R.A.V.C.	





OFFICERS TRAINING CORPS

A typical example of marks to be placed on rifle butt discs in respect of all the following units is as follows :—



Senior Division

Universities, etc.	Abbreviations.
Aberdeen	ABN.
Aberystwyth	AYH.
Bangor	BAN.
Birmingham	BHM.
Bristol	BRIS.
Cambridge	CAM.
Dundee	DDE.
Durham	DRM.
Edinburgh	EDIN.
Glasgow	GGW.
Leeds	LDS.
Liverpool	LL.
London	LDN.
Manchester	MHR.
Nottingham	NTTM.
Oxford	OXF.
Queen's University, Belfast	Q.U.BT.
	O.T.C.
Reading	RDG. U.
Royal (Dick) Veterinary College, Edinburgh	R.V.C.E.
St. Andrews	ST. AN.
Sheffield	SFD.

Junior Division

Units.	Abbreviations.
Abingdon School	ABN.
Aldenham School	ALD.
Alleyn's School	ALN.
All Hallows School	A.H.
Ampleforth College	AMP.
Ardingly College	ARD.
Barnard Castle School	B.C.S.
Beaumont College	BT.C.
Bedford School	B.S.
Bedford Modern School	B.M.S.
Berkhamsted School	BKD.
Birkenhead School	BKN.
Bloxham School	BXM.
Blundell's School	BDL.
Bournemouth School	BMH.
Bradfield College	BDD.
Brentwood School	BTD.
Bridlington School	BRID.
Brighton College	BTN.
Brighton Grammar School	BRGS.
Bristol Grammar School	BRL.
Bromsgrove School	BGV.
Bury Grammar School	BY.
Cambridge and County School	C.C.S.
Campbell College	C.C.
Canford School	CAN.
Charterhouse School	CHE.
Cheltenham College	CM.C.
School Chigwell	CGL.
Christ College, Brecon	CHR.
Christ's Hospital	CH.H.
Churcher's College	CH.C.
City of London School	C.L.S.
Clifton College	CL.C.
Coatham School, Redcar	COAT.
Cranbrook School	CK.S.
Cranleigh School	CRH.
Daniel Stewart's College	D.S.
Dartford Grammar School	D.G.
Dean Close School	D.C.
Denstone College	DEN.
Derby School	DY.
Dollar Academy	D.A.
Dorchester Grammar School	D.G.S.
Dover College	DVR.
Downside School	DOWN.
Dulwich College	DUL.
Durham School	DM.
Eastbourne College	EBN.
Edinburgh Academy	E.A.
Elizabeth College	EZH.
Ellesmere College	ELL.

Junior Division—*continued*

Units.	Abbreviations.
Emanuel School	EML.
Epsom College	EPS.
Eton College	EN.
Exeter School	EXR.
Felsted School	FEL.
Fettes College	FTS.
Forest School	FST.
Framlingham College	FMM.
George Heriot's School	G.H.
George Watson's Boys' College	G.W.B.
Giggleswick School	GIG.
Glasgow Academy	G.A.
Glasgow High School	G.H.S.
Glenalmond (Trinity) College	GMD.
Gresham's School	G.S.
Grimsby Municipal College	G.M.C.
Haberdashers' Aske's Hampstead School	HAB.
Haileybury College	HBY.
Handsworth Grammar School	H.G.S.
Harrow School	HAR.
Herne Bay College	H.B.
Hereford Cathedral School	H.C.S.
Hertford Grammar School	HFD.
Highgate School	HTE.
Hillhead High School	H.H.S.
Hulme Grammar School	HLE.
Hurstpierpoint College	HPT.
Hymers College	HYM.
Imperial Service College	I.S.C.
Ipswich School	IPS.
Kelly College	KY.
Kelvinside Academy	KLV.
King Edward's Grammar School	K.E.G.
King Edward's School (Bath)	K.E.BH.
King Edward's School (Birmingham)	K.E.BM.
King William's College	K.W.C.
King's College	KG.C.
King's College School	K.C.S.
King's School (Bruton, Somerset)	K.S.B.
King's School (Canterbury)	K.S.C.
King's School (Grantham)	K.S.G.
King's School (Rochester)	K.S.R.
King's School (Worcester)	K.S.WR.
Lancing College	L.C.
Leeds Grammar School	L.G.
Leys School	LY.S.
Liverpool College	LLC.
Liverpool Collegiate School	L.C.S.
Liverpool Institute	L.I.
Llandovery College, Llandovery	LLA.
Loretto School	L.S.
Louth School	LTH.
Magdalen College School	MAG.
Maidstone Grammar School	M.G.S.

Junior Division—*continued*

Units.	Abbreviations.
Malvern College	MAL.
Marlborough College	M.C.
Merchant Taylors' School	M.T.S.
Merchant Taylors' School (Crosby Liverpool)	M.T.L.
Merchiston Castle School	M.C.S.
Mill Hill School	M.H.S.
Monkton Combe School	MKN.
Monmouth School	MON.
Morrison's Academy	M.A.
Mount St. Mary's College	M.S.M.
Newcastle-under-Lyme High School	N.H.S.
Newton College	NEW.
Nottingham High School	NOTT.
Oakham School	OAK.
Oratory School	ORA.
Oundle School	OUN.
Perse School	PSE.
Peter Symonds' School	P.S.
Plymouth College	PLY.
Portora Royal School	P.R.S.
Portsmouth Grammar School	P.G.S.
Queen Mary's Grammar School	Q.M.G.S.
Radley College	RAD.
Reading School	RDG.S.
Repton School	RTN.
Rossall School	RSL.
Royal Grammar School (High Wycombe, Bucks)	R.G.S.B.
Royal Grammar School (Newcastle-on-Tyne)	R.G.S.N.
Royal Grammar School (Worcester)	R.G.S.W.
Royal Grammar School of King Edward VI	RL.G.S.
Royal Grammar School (Lancaster)	R.G.S.L.
Royal High School, Edinburgh	R.H.S.
Rugby School	RUG.
Rutlish School	RUT.
St. Alban's School	ST.AL.
St. Bees School	ST.B.
St. Dunstan's College	ST.DN.
St. Edmund's College	ST.EDM.C.
St. Edmund's School	ST.EDM.
St. Edward's School	ST.ED.
St. John's School	St. JN.
St. Lawrence College	ST.L.
St. Paul's School	ST.P.
St. Peter's School	ST.PT.
Sebright School	SBT.
Sedburgh School	SBH.
Sherborne School	SHB.
Shrewsbury School	SBY.
Sir Roger Manwood's School	S.R.M.
Skinner's School	SKN.
Solihull School	S.S.
Stamford School	STAM.
Stonyhurst College	STO.
Stowe School	STOW.

Junior Division—*continued*

Units.	Abbreviations.
Sutton Valence School	S.V.S.
Taunton School	TTN.
Tonbridge School	TON.
Trent College	TNT.
University College School	U.C.
Uppingham School	UPM.
Victoria College	VIC.
Wantage School	WAN.
Warwick School	WAR.
Wellingborough School	WS.
Wellington College (Berks)	W.N.C.
Wellington School (Somerset)	W.S.S.
Westminster School	WMR.
West Buckland School	W.BUC.
Weymouth College	WEY.
Whitgift Grammar School	WHT.
Wilson's School	WIL.
Winchester College	WIN.
Wolverhampton Grammar School	WN.G.S.
Woodbridge School	WBE.
Worksop College	WKP.
Wrekin College	WR.

APPENDIX 52

(*Referred to in paras.* **552, 557** *and* **626**)

INSTRUCTIONS FOR MARKING HORSE AND MECHANICAL TRANSPORT VEHICLES AND BICYCLES, AND FOR CALIBRATION DETAILS ON GUNS AND HOWITZERS

Regimental Marks

1. All vehicles and bicycles forming part of the peace equipment of units will be marked with the title of the unit in whose charge they are held. In the case of artillery batteries, the letter of the sub-section will also be marked on vehicles ; on limbers and wagons this letter will be placed on the top off-side corner.

The abbreviations to be used for titles of units are shown in **TABLE 1.**

The position of the marks will be as follows :—

Gun and howitzer carriages ...	On trail, off side.
B.L. 9·2-in. howitzer—	
Carriage, transporting—	
Bed	On rear of axletree, off side.
Body and cradle	On rear of axletree between the axletree clips.
Limber, transporting—	
Bed	On front face of the frame draught between the upper and lower plates.
Body and cradle	
Wagon, transporting	On off side of body between the bracket carriage body and the strut strap.
Limbers and ammunition wagons—	
Q.F. 13 and 18-pr.	Back of ammunition or limber boxes, off side, low down.
B.L. 60-pr.—	
Gun limbers	Back of off limber box, close to top.
Ammunition wagons and limbers	Back of ammunition box, off side, close to top.

Limbers and ammunition wagons—*continued*	
B.L. 6-in. 26-cwt. howitzer	Back of limber box, near side, close to top.
Q.F. 4·5-in. howitzer	Back of ammunition or limber box, off side, low down.
B.L. 6-in. gun and 8-in. howitzer	Back of limber box. near side, close to top.
Anti-aircraft equipments—	
Mountings	On front of the pedestal.
Lorries or other transport	Off side, in most convenient position.
Railway truck equipments—	
Mountings and trucks	On either side, in most convenient position.
Wagons, ammunition	
Carts—	
Tool, R.E.	Off side at front (on side frame).
Water tank, Mk. IV	Off side of tank, at front.
Water tank, Mks. V to VII	End of barrel, near side.
Kitchens, travelling	Rear of body and rear of limber, off side.
Wagons—	
Airline	Off side of front body, low down.
Cable	Off side of futchel of body, and off side of footboard of limber.
G.S., Mks. X and X*	Body of wagon, off side at front.
Pigeon loft	
Limbered, A. or S.	On rear of both portions, off side.
Limbered, F.A.	
Limbered, G.S.	
Pontoon (or trestle)	Off side, at front.
Telephone	On off block, supporting drum bearings of wagon body at front and on off side of limber box.
Other vehicles (if construction admits)	On body of vehicle, off side, as far to the front as possible and low enough to be clear of the cover. *Limbered vehicles will be marked on both portions.*

Armoured Cars—	
Crossley, Mk. I	On armoured plate rear of door, near and off sides, and to rear of shutter.
Lanchester—	
Mk. I	On armour plate immediately in front of and below the revolving turret, near and off sides.
Mk. IA	
Peerless	On centre of side doors, near and off sides.
Rolls Royce—	
1920 pattern—	On armour plate immediately in front of and below the revolving turret, near and off sides.
Mk. I	
Mk. IA	
1924 pattern, Mk. I	
Carriers—	
·303-in. M.G., C.L., Mk. VI	Front on corner top side plate, near and off sides.
·303-in. M.G., C.L., Mk. VIA	On inclined side plate near side, front end, bottom corner.
·303-in. M.G., C.L., Mk. VIB	
·5-in. M.G., C.L., Mk. VI	Front on corner top side plate, near and off sides.
M.G.—	
No. 1, Mk. I	On front end of body side plate, near and off sides.
No. 2, Mk. I	
G.S.—	
30-cwt., Burford Kegresse	On driver's seat, near and off sides.
30-cwt., Crossley Kegresse	
15-cwt., Crossley Kegresse	
Mortar, C.L., Mk. VI	Front on corner top side plate, near and off sides.
Smoke, C.L., Mk. VI	
Cars, Battery Staff—	
15-cwt., Crossley Kegresse	Forward of dash, near and off sides.
Dragons—	
Mk. II*	Immediately behind the headlights, near and off sides.
Mk. III	
Mk. IIIc	

Dragons—*continued*	
Mk. IIIA	Immediately behind the headlights, off side.
Mk. IIIB	On the door of the forward ammunition locker or bin, near side.
Dragons, Light—	
Mk. I	On side plate of front bin, near and off side.
Mk. IA	On front end body side plate, near and off side.
Mk. II	
Mk. IIA	
Mk. IIB	
Mk. IIC	
Mk. IID	
Mk. III	
Motor Lorry, A.A., Peerless ...	On driver's seat, near and off sides.
Tanks—	
Light—	
Mk. I	On front of side plate, near and off sides.
Mk. IA	
Mk. II	On front end of near side glacis plate.
Mk. IIA	
Mk. IIB	On plate top petrol compartment in line with filling hole cover, near side.
Mk. III	On front left sloping side plate, in line with petrol filling hole cover, near side.
Mk. IV	On air duct at back of driver's seat.
Mk. V	On top of No. 2 left side plate, at back of driver's look-out.
Mk. VI	
Mk. VIA	
Mk. VIB	
Medium—	
Mk. I	On side plate below driver's hood, off side, and on plate covering main petrol tank above sprocket, near side.
Mk. IA	
Mk. IA*	

Tanks—*continued*	
Medium—	
Mk. II*	On plating in front of driver's ventilating louvres, off side, and on plate covering main petrol tank above sprocket, near side.
Mk. II**	
Mk. IIA	
Mk. III	On side plate front end of main petrol tank casing, near and off side.
Tractors—	
Field Artillery—	
30-cwt., Burford Kegresse—	
No. 1	On driver's seat, near and off sides.
No. 2	
No. 3	
30-cwt., Crossley Kegresse ...	
3-ton, Burford-Kegresse—	
No. 1	
No. 2	
Morris—	
Mk. I	On doors, near and off sides.
Mk. II	On driver's cowl, off side. On side of front seat, near side.
Light, G.S.	On side of scuttledash, near and off side.
Holt Caterpillar	On side of main petrol tank, and in rear on casing of clutch drive, near side.
3·7-in. How., C.L., Mk. VI ...	Front on corner top side plate near and off sides.
·8-in., M.G., C.L., Mk. VI ...	
Trailers—	
3·7-in. How.—	
C.L., Mk. I	On frame member, near and off sides.
Citroen Kegresse	
G.S., C.L.—	
Mk. I	On side plates of front foot well, near and off sides.
Mk. IA	
M.G., C.L., Mk. I	
F.O.O. (R/T), C.L., Mk. I ...	On centre of sides of body, near and off.

Bicycles	Across the rear mudguard, 4-in. above the bridge, and on the upper side of the bottom tube, commencing just clear of the bottom lug of the ball head.

2. Vehicles forming part of, and stored with, mobilization equipment will not be marked with the title of the unit for which they are held, whether they are on unit charge or stored by the R.A.O.C.

M.T. vehicles stored centrally under R.A.S.C. control for allotment to units on mobilization will not be marked with unit titles, but will bear their prescribed W.D. numbers, etc., only.

Symbols denoting Class of Transport

3. During mobilization distinguishing marks, denoting the various classes of transport and also the consecutive numbers of vehicles as laid down in Field Service Manuals, will be painted on vehicles forming part of war outfit of units. These marks will be placed in the same position as shown in para. **1.** The symbols to be used as distinguishing marks will be published later.

Medical Units

4. All vehicles, including ambulances, in possession of medical units will be marked with the Geneva Cross. (*See* para. **558.**)

Weight and Load

5. The " weight of vehicle " and the " weight of load the vehicle is designed to carry," as shown in List of Changes, will be marked on the near side of vehicles, as near the centre as possible, low down. In the case of the " Cart, water tank," the capacity of the tank will be marked thus :—" TANK CAPACITY 110 GALLONS " on each end of the tank in white paint, the letters to be 1-in. high.

The weight of the vehicle or the weight of the load will not be painted on " A " vehicles.

Station Transport, etc.

6. Vehicles on charge of units for local purposes will be marked to show the purpose to which they are locally appropriated.

Mechanical Transport

7. All M.T. vehicles (except " A " vehicles—*see* below) will be numbered and the general register of numbers will be kept by the Officer i/c Vehicles' Records, M.T. Stores Depot, R.A.S.C. Vehicles will be numbered consecutively irrespective of class, but the following identifying letters will be allotted to each class ; the serial numbers for this purpose will be issued by the M.T. Stores depot, R.A.S.C., to units or depots concerned :—

C. for motor cycles.
M. for motor cars.
V. for motor vans.
A. for motor ambulances.
L. for motor lorries.
H. for tractors (wheeled).
X. for trailers of all kinds.
Z. for trucks.

The W.D. numbers will always be shown with the appropriate class letter mentioned above.

" A " vehicles will also be numbered, the class letters and W.D. numbers being allotted by the C.I.A.

The following identifying letters will be allotted to each class :—

D. for tractors (tracked or semi-tracked) other than C.L. tractors.
F. for armoured cars.
T. for tanks, C.L. carriers and C.L. tractors.

8. *Method of Marking.*—The following marks will be painted on all M.T. vehicles :—

(*a*) Weight, etc., as required by law (locomotives, tractors and heavy motor cars), and axle weights.
(*b*) Registration number (if registered).
(*c*) Designation of arm of service and, where applicable, the classification symbol " A " or " B ".
(*d*) W.D. number and class letter.
(*e*) Load-carrying capacity.
(*f*) Slinging points, where applicable, *e.g.* armoured fighting vehicles.

9. The position of these marks will be :—

(*a*) The maximum legal speed and weights will be shown in a conspicuous position on the off side of the vehicle, preferably at the bottom of the cab. In the case of a tractor, the speed to be shown is the maximum legal speed when drawing a trailer, and in the case of a heavy motor car the maximum legal speed when not drawing a trailer.

In the case of 4-wheeled vehicles and heavy trailers the weights to be shown are unladen weight —U.W.; front axle weight—F.A.W.; and hind axle weight—H.A.W.

In the case of 6-wheeled vehicles the weights to be shown are unladen weight—U.W.; front axle weight—F.A.W.; middle axle weight—M.A.W.; hind axle weight—H.A.W.

The axle weights are the maximum permissible laden weights. Where a vehicle on receipt is not inscribed with the weights, details will be furnished on application to the O.C. M.T. Stores depot, R.A.S.C. or R.A.O.C. depot concerned. The inscription of weights applies only to vehicles over 2 tons weight unladen, and to trailers over 1 ton weight unladen, *i.e.* all W.D. lorries and heavy trailers. Tracked vehicles will be marked to show the gross weight. The inscription of speed in miles per hour applies to lorries but not to trailers.

(*b*) On plates suspended at front and rear of chassis as required by law.

(*c*) In the case of lorries, box vans and ambulances, on both sides of the body and the tailboard or rear door of the vehicle. A stencil plate, to be obtained from the M.T. Stores depot, R.A.S.C., or the R.A.O.C. depot concerned, will be used for this purpose. A stencil plate, to be obtained from the R.A.O.C. depot concerned, will also be used for the classification symbol " A " or " B ".

Cars, except those specially exempt (for which a metal plate to be fixed to the inside of the dash may be supplied locally), should be marked in 1-in. letters and figures on the outside of the dash on near side of car, the design taking the general form of the stencil used for other vehicles. The classification symbol " A " or " B " will be painted in red, 6-in. in height, and 6-in. to the right of the W.D. number.

In the case of lorries, cars, box vans and ambulances, the W.D. number, in addition to being marked in the manner shown above, will also be marked in letters of convenient size on an accessible part of the near side member of the frame, in order to prevent loss of identity of the chassis, if at any time occasion arises to remove or exchange the body. In the event of any such changes the body number must in all cases be amended to tally

with the number borne by the chassis to which it is attached.

Motor cycles will be marked on the near side of the petrol tank in letters and figures of convenient size.

(*d*) The class letter will be placed below the designation of the arm of the service, and the W.D. number below the class letter, as exemplified hereunder. Where applicable, the classification symbol " A " or " B " will be placed 6-in. to the right, and painted in red, as exemplified hereunder :—

Maintained by R.A.S.C.	Maintained by R.A.O.C.	
6 Co. R.A.S.C. (*a*) L. 251	18th Fd. R.A. L. 251	A
N. China Sigs. (*b*) L. 251	3 Fort Co. L. 251	B

(*a*) Vehicles on charge of R.A.S.C. units, other than standard companies, will bear the appropriate abbreviated designation.

(*b*) Example of marking of vehicles maintained but not driven by R.A.S.C., *i.e.* China.

The arm of the service lettering will be painted in by the receiving unit in accordance with the stencils supplied, but the other identifications will be painted on the vehicles by the issuing depot.

(*e*) In the case of lorries and motor vans (heavy), the load-carrying capacity will be painted across the tailboard in letters 3-in. high, thus :—

For motor lorries (light)—

LOAD NOT TO EXCEED 30-CWT.

For motor vans (heavy)—

LOAD NOT TO EXCEED 15-CWT.

For light 6-wheeled vehicles—

LOAD NOT TO EXCEED 30-CWT.

For medium 6-wheeled vehicles—

LOAD NOT TO EXCEED 3-TONS.

In the case of the " Trailer, two-wheeled, water tank," the capacity of the tank will be marked thus :—

" TANK CAPACITY 150 GALLONS "

on each side of the tank in white paint, the letters to be 1-in. high.

(*f*) All armoured fighting vehicles will have painted on the hull close to the lifting eyes the words " SLING HERE."

10. In any case where it is desired for special reasons to modify the application of **9** (*c*) and (*d*) in the case of motor cars the matter will be referred to the War Office.

11. In the case of vehicles serving overseas **9** (*a*) and (*b*) will be governed by the local regulations on the subject.

General Instructions

12. White paint will be used for the marking referred to in paras. **1, 2, 5, 6** and **8** of this Appendix, except in the case of the classification symbol " A " or " B," which will be painted in red. The size and style of marking will be as laid down in **TABLE 2**. Stencils, paint and brushes will be supplied by the R.A.O.C.

13. Any necessary alterations in the marking consequent upon the changes of units in course of relief, or when vehicles accompany a unit on change of station, will be carried out at once.

Mobilization

14. As soon as mobilization has been reported to be complete, the markings referred to in para. **1** of this Appendix will be obliterated by units from all horse-drawn vehicles and bicycles retained by them as part of their mobilization equipments.

In the case of mechanical vehicles evacuated on mobilization by units, the markings will be obliterated as considered necessary on receipt in the Vehicle Shipment Depot or Vehicle Collecting Centre, as the case may be.

Instructions for Marking Calibration Details on Guns and Howitzers

15. To secure uniformity, the recording of calibration details on guns and howitzers will be in accordance with the examples shown in **TABLE 3**.

16. In certain cases parts of guns and breech mechanisms, although in all respects serviceable but not within drawing tolerances, have been accepted into the service.

The stores so accepted will, for identification purposes and to avoid the possibility of their being used for gauging purposes, be stamped thus before issue :—



Disposal Out of the Service—Obliteration of Markings

17. When " A," " B " or R.A.S.C. vehicles are disposed of out of the service, the following action will be taken before the vehicle is handed over to the new owner :—

" *A* " *Vehicles.*—All markings, including secret registration mark and number, will be obliterated and the inscription plate will be removed. A certificate confirming obliteration of the secret road registration mark and number will be rendered to the O.C., M.T. Stores Depot, R.A.S.C., Feltham, through the channels prescribed in **Appx. 56.**

" *B* " *and R.A.S.C. Vehicles.*—All markings except road fund registration number.

The above procedure will also be followed in the case of " A," " B " or R.A.S.C. vehicles permanently transferred to other Government departments.

TABLE 1

Abbreviations to be Used for Titles of Units

NOTE.—Alterations to existing marks necessitated by changes in abbreviations introduced by this table will only be carried out as vehicles require repainting.

Units.	Abbreviations.
Headquarters, 1st Air Defence Brigade ...	H.Q. 1 A.D. Bde.
Cavalry regiments	As in F.S. Pocket Book.
Brigade Headquarters, Royal Horse Artillery	H.Q. ... Bde., R.H.A.
" M " Battery, Royal Horse Artillery ...	M. Bty., R.H.A.
Field Brigade Headquarters, Royal Artillery	H.Q. 3 Fd. Bde.
10th Field Battery, R.A. (How.)	10 Fd. Bty. (H.).
18th Field Battery, R.A.	18 Fd. Bty.
Light Brigade Headquarters, Royal Artillery	H.Q. ... Lt. Bde.
5th Light Battery, R.A.	5 Lt. Bty.
Medium Brigade Headquarters, Royal Artillery	H.Q. ... Med. Bde.

Table 1—*continued*

Units.	Abbreviations.
5th Medium Battery, R.A.	5 Med. Bty.
2nd Heavy Battery, R.A.	2 Hy. Bty.
Anti-Aircraft Brigade Headquarters, Royal Artillery	H.Q. ... A.A. Bde.
1st Anti-Aircraft Battery, R.A.	1 A.A. Bty.
Survey Company, R.A., Larkhill	Svy. Coy., R.A.
Royal Engineers—	
School of Military Engineering	S.M.E.
Mounted Depot	Mtd. Dep., R.E.
Training Battalion	T. Bn., R.E.
Field Squadron	... Fd. Sqn.
Field Company	... Fd. Coy.
Field Park Company	... Fd. Park Coy.
Fortress Company	... Frt. Coy.
Railway Company	... Ry. Coy.
Survey Company	... Svy. Coy., R.E.
Field Survey Company	... Fd. Svy. Coy.
Anti-Aircraft Searchlight Battalion, Headquarters	H.Q. 1 A.A.S.L. Bn.
1st Anti-Aircraft Searchlight Battalion ...	1 A.A.S.L. Bn.
Royal Corps of Signals—	
Signal Training Centre	S.T.C.
"A" Corps Signals	A Corps Sigs.
Cavalry Divisional Signals—	
Headquarters	H.Q. Sigs. ... Cav. Div.
Troop	Tp. Sigs. ... Cav. Div.
Divisional Signals	Sigs. ... Div.
Air Defence Brigade Signals	... A.D. Bde. Sigs.
Medium Artillery Signal Section ...	... Arty. Sig. Sec.
Field Artillery Signal Section ...	
Command Signal Company	Comd. Sig. Coy.
Wireless Company	W/T. Coy.
Signal Company, Northern Ireland	N.I. Sig. Coy.
Signal Section, Abroad—	
Hong Kong Signal Section	H.K. Sig. Sec.
Mobile Divisional Signals, Egypt	Egypt. Mob. Div. Sigs.
Command Signals, Egypt	Egypt. Cd. Sigs.
Infantry Battalions	As in F.S. Pocket Book.
Royal Armoured Corps—	
Centre Headquarters	H.Q. R.A.C.
Central Schools	C.S. R.A.C.
Battalion	... R.A.C.
Armoured Car Company	... Armd. C. Coy.
Tank Signal Section	... Tank Sig. Sec.
Royal Army Service Corps—	
Training Battalion	T. Bn. R.A.S.C.
Vehicle Reserve Depot	V.R. Depot, R.A.S.C.
M.T. Stores Depot	M.T.S.D., R.A.S.C.
Heavy Repair Shop	H.R.S., R.A.S.C.
Remaining Companies by numbers	6 Coy., R.A.S.C. to 35 Coy., R.A.S.C.
Royal Army Ordnance Corps—	
Depot	Depot, R.A.O.C.

TABLE 2
Size and Style of Marking

Marking.	Size of letters and numerals on— Vehicles.	Size of letters and numerals on— Bicycles.	Style.
Weight and load of vehicle (*see* para. 5 above).	¾-in.	—	Plain block, except division numeral, which will be "Roman."
All other regimental marks— Capitals and numerals ...	1½-in.	½-in.	
Remainder	1-in.	⅜-in.	
Classification symbol "A" or "B".	—	—	To be painted in red and to be of the height mentioned in para. 9 (*c*) above as exemplified in para. 9 (*d*) above.
Slinging points	½-in.	—	Plain block.

TABLE 3
Marking of Calibration Details on Guns and Howitzers

NOTES.—1. In all cases ¾-in. letters or numerals and white paint will be used, and for this purpose ½-lb. of white paint each battery is allowed.

2. Twopence each letter or numeral will be allowed for the undermentioned marking.

Nature of Ordnance.	Example of Marking.	Position of Marking.
Q.F. 18-pr. gun, Mk. IV B.L. 60-pr. gun, Mks. II and II* ... ... B.L. 6-in. gun, Mk. XIX	M.V. 1615. 21/4/41 R.D.B.	Painting to commence just in front of the breech ring on the right.
Q.F. 3·7-in. howr., Mk. I B.L. 6-in. 26-cwt. howr., Mk. I ... ... B.L. 8-in. howr., Mk. VIII	M.V. 806. 21/4/41 Ch. IV R.D.B.	
Q.F. 4·5-in. howr., Mks. I and II	M.V. 806. 21/4/41 Ch. IV R.D.B.	Painting to commence just in front of breech-opening on the right.
Q.F. 13-pr. guns, Mks. I to II ... ... Q.F. 18-pr. guns, Mks. I to II ... ... B.L. 60-pr. guns, Mks. I to I**	M.V. 2110. 23/4/41 N.C.T.	Painted on the right-hand side of the breech ring.
B.L. 9·2-in. howr. ...	M.V. 1010. 23/4/41 Ch. IV M.D.	

APPENDIX 53

(*Referred to in paras.* **152** *and* **532**)

INITIALS AND MONOGRAMS OF STATIONS

The following initials and monograms will be used at the stations mentioned :—

Aldershot	AT.	Jamaica	JCA.
Bermuda	B.	Lydd	LD.
Bramley	BM.	Malta	M.
Bull Point	BP.	Mauritius	MS.
Burscough	BH.	Pembroke	P.
Carrickfergus	CFS.	Priddy's Hard	PHD.
Catterick	CAT.	Bedenham	PHD(B).
Chatham	C.	Marchwood	PHD(M).
Chilwell	CW.	Purfleet	PT.
Colchester	CCR.	Selby	SY.
Colombo	COL.	Sheerness	S.
Crombie (Rosyth)	CRB.	Shorncliffe	SHC.
Devonport	DPT.	Southampton	SN.
Didcot	DT.	Stirling	S.G.
Dover	DR.	Straits Settlements	SS.
Egypt	EGT.	Tidworth	TWH.
Fort George	FG.	Tientsin	TSN.
Gibraltar	GIB.	Tipnor	T.
Hereford	HD.	Tower of London	TL.
Hilsea	HA.	Weedon	WN.
Hong Kong	HK.	Woolwich	W.
Hyde Park	HP.	York	Y.

APPENDIX 54

(*Referred to in paras.* **4, 245, 335** *and* **591**)

TECHNICAL INSPECTIONS OF UNIT EQUIPMENT CARRIED OUT BY INSPECTION BRANCHES AND R.A.O.C.

Equipment.	When inspection carried out.	Authority for inspection.	Inspecting authority.
Air-compressors No. 2	Biennially.	R.A.O.S., Pt. II, pamphlet 27.	O.M.E., R.A.O.C.
Ammunition and Explosives.	Annually.	R.A.O.S., Pt. II, pamphlet 11.	I.O.O., R.A.O.C.
Armament—			
	Annually.	R.A.O.S., Pt. I.	O.M.E., R.A.O.C.
	Triennially.	R.A.O.S., Pt. I.	O.M.E., R.A.O.C. C.I.A.
Bicycles	*See* Appx. 15.	Appx. 15.	C.I.S.A. and R.A.O.C.
Harness and Saddlery in mobilization equipments.	Triennially.	Para. 245 and R.A.O.S., Pt. I.	Inspector of Stores, R.A.O.C.
Mobilization equipment.	Annually (*a*)	Para. 4 and R.A.O.S., Pt. I.	R.A.O.C.
Optical and other instruments.	Annually.	Para. 4 and R.A.O.S., Pt. I.	O.M.E., R.A.O.C.
Reservists' outfits	Annually(*a*).	R.A.O.S., Pt. I.	R.A.O.C.
Respirators	Annually.	Para. 335 and R.A.O.S., Pt. II, pamphlet 26.	I.O.O., R.A.O.C.
Small arms, machine guns, armourers gauges and tools.	*See* Appx. 15.	Appx. 15.	C.I.S.A. and A.I.A.
Steam fire engine, boilers.	Annually.	R.A.O.S., Pt. I.	W.O. Contractor under W.O. running contract.
Vehicles—			
"A"	Half yearly (*b*)	Para. 591.	O.M.E., R.A.O.C.
"B"	Half yearly (*b*)	Para. 591.	O.M.E., R.A.O.C.
"A"	Annually.	Para. 591.	C.I.A.
"B"	Annually.	Para. 591.	C.I.A.
H.T. and spare wheels (in mobilization equipments).	Triennially.	Para. 245 and R.A.O.S., Pt. I.	O.M.E., R.A.O.C.

(*a*) Additional inspections are carried out, as necessary, by the D.D.O.S. of the command.
(*b*) During the present emergency.

APPENDIX 55

(*Referred to in paras.* **257** *and* **445**)

METHOD OF GREASING BARRELS, ETC., OF RIFLES AND MACHINE GUNS

1. The use of rags or cotton waste in applying the preservative is forbidden.

2. For bores of rifle, pistol, and machine gun barrels the lubricant will be heated as necessary until it becomes thin, and then applied by means of a strip of flannelette well saturated with the lubricant and inserted in the eye of a rod made of twisted copper wire.

3. In the case of rifle and pistol barrels, the rod must be drawn through from muzzle to breech; the flannelette should fit fairly tightly in the bore, and the ends be cut evenly, so that any excess of the lubricant may be squeezed out and prevented from reaching the chamber.

4. The size of the flannelette strip for ·303-in. barrels should be about 8-in. by 1½-in.

5. In the case of machine gun barrels, the rod will be drawn through from both ends. The exterior will also be coated with the lubricant in a cooler condition.

6. The chambers of rifles and chambers of revolvers will be coated with the lubricant in an unheated condition by means of a strip of flannelette on a short length of bent wire, applied from the breech end.

7. All surfaces and parts must be thoroughly clean and dry before the lubricant is applied.

8. The barrel casing and steam tubes of Vickers machine guns must be quite free from water, and the screwed and cork plugs removed to prevent condensation on the barrel. The asbestos packing must be dried and oiled to prevent it from rusting the barrel and its bearings.

Method of Greasing Bayonets, Swords and Steel Sword Scabbards

9. The mineral jelly, heated in cold weather as necessary, will be applied by means of a sash tool brush of convenient size. Care must be taken to ensure that the surfaces are thoroughly clean and dry before the preservative is applied and that the whole surface, especially that of the blades, is covered with an adequate film.

APPENDIX 56

(*Referred to in para.* **623**)

REGISTRATION AND LICENSING OF WAR DEPARTMENT MECHANICALLY PROPELLED VEHICLES IN GREAT BRITAIN AND THE NORTHERN IRELAND DISTRICT

1. The registration and exempt licensing of all mechanically-propelled vehicles owned by the W.D. is carried out by the O.C.M.T. Stores Depot, R.A.S.C., Feltham, Middlesex.

2. All units holding "A" vehicles on charge will address communications in connection with the registration and licensing of W.D. vehicles to the C.I.A. Royal Arsenal, Woolwich, who will institute liaison with the O.C., M.T. Stores Depot, R.A.S.C., Feltham.

3. All units holding "B" vehicles on charge will address communications in connection with the registration and licensing of W.D. vehicles to the C.O.O. Chilwell, who will institute liaison with the O.C. M.T. Stores Depot, R.A.S.C., Feltham.

4. All units holding on charge vehicles which are the maintenance responsibility of the R.A.S.C. will communicate direct with the O.C. M.T. Stores Depot, R.A.S.C., Feltham, on matters connected with the registration and licensing of W.D. vehicles.

5. All other establishments (*e.g.* Royal Ordnance Factories, etc.) in possession of W.D. vehicles will communicate direct with the O.C. M.T. Stores Depot, R.A.S.C., Feltham, on matters connected with the registration and licensing of such vehicles.

6. On no account will any unit or establishment, other than the O.C. M.T. Stores Depot, R.A.S.C., Feltham, communicate direct with the Middlesex County Council.

7. In the event of "A", "B" or R.A.S.C. vehicles being disposed of by sale, the following action will be taken :—

"*A*" *Vehicles.*—A certificate will be rendered to the O.C., M.T. Stores Depot (as indicated in **Appx. 52,** para. **17**) confirming obliteration of the secret road registration mark and number, and stating thereon the name and address of the purchaser.

" B " and R.A.S.C. Vehicles.—In the event of " B " and R.A.S.C. vehicles being disposed of by sale, the exempt road fund licence will be forwarded to the O.C., M.T. Stores Depot, R.A.S.C., Feltham (through the channels prescribed above) for cancellation.

In exchange for the licence, the vehicle registration book (R.F. 60) will be issued to the unit disposing of the vehicle.

A form of receipt, which must be completed by the purchaser of the vehicle with full name and postal address, will accompany each registration book (R.F. 60) when issued by the O.C., M.T. Stores Depot, to whom it must be returned by the unit concerned immediately on disposal of the vehicle.

All correspondence with the O.C., M.T. Stores Depot, will be through the channels prescribed in this Appendix.

8. Lost, defaced or destroyed Road Fund licences must be reported immediately to the C.I.A., Royal Arsenal, Woolwich, C.O.O. Chilwell or O.C., M.T. Stores Depot, R.A.S.C., Feltham, Middlesex, as appropriate. The reports will be transmitted, through the channels referred to above, to the O.C., M.T. Stores Depot, R.A.S.C., Feltham, who will arrange for the issue of duplicates.

9. Vehicles which are obviously " engines of war," *e.g.* tanks, armoured cars, etc., are required to carry registration numbers, but are not required to be licensed, and will not, therefore, be provided with a Road Fund licence. Demands for the allotment of these numbers will be made, through the channels mentioned above, on the O.C., M.T. Stores Depot, R.A.S.C., Feltham.

10. The O.C., M.T. Stores Depot, R.A.S.C., Feltham, will submit to the C.I.A., Royal Arsenal, Woolwich, not later than the 7th of each month, a return showing the W.D. numbers of all " A ", " B " and R.A.S.C. vehicles that have been reported during the previous month as disposed of out of W.D. service.

APPENDIX 57

(*Referred to in para.* 55)

TINNED PLATE CYLINDERS AND BOXES FOR FUZES, PRIMERS, TUBES, ETC., TO BE ACCOUNTED FOR BY UNITS

Designation.	Remarks.
Section Q2	
Boxes—	
No. 1 percussion primers, Mk. III	(*a*) Varnished.
Tubes, vent—	
·4-in., Mk. II	
·5-in., Mk. I	
Cylinders—	
No. 45F, Mk. I	
No. 65F, Mk. I	
No. 80F, Mk. VIII	
No. 101F, Mk. VII	
No. 113, Mk. I	
No. 114, Mk. II	
No. 159F, Mk. I	
No. 199F, Mk. I	
No. 230F, Mk. II	
No. 244, Mk. I	
No. 256, Mk. I	
No. 259, Mk. I	
No. 500F, Mk. I	
Section R2	
Cylinders—	
No. 238 (*a*)	
No. 239 (*a*)	
Section S2	
Cylinders, No. 70, Mk. II	
Section T2	
Boxes—	
·303-in. S.A. type cartridges, Mk. I	
Igniters, safety fuze, percussion, Mk. I ...	
Instantaneous fuze, Mk. VI	
Cylinders—	
Guncotton—	
Primer, field, 1-oz., Mk. III	
Primer, field, 1-oz., Mk. V	
Yarn, Mk. I	
No. 9, Mk. II	
No. 14, Mk. III	
No. 124, Mk. V	
No. 139F, Mk. I	
No. 171, Mk. I	
No. 186, Mk. I	
No. 276, Mk. I	
No. 278, Mk. I	
Reels, box, instantaneous fuze, Mk. VI ...	
Section U	
Cylinders—	
No. 6, Mk. I	
No. 232, Mk. I	

APPENDIX 58

(*Referred to in para.* 165)

BARRELS FOR MACHINE GUNS FORMING PART OF WAR EQUIPMENT

Designation.	Peace.				In mobilization store.		War.	
	In gun(s)	Spare.	D.P.B. ·303-in.	D.P.	For gun(s).	Spare.	In gun(s).	Spare.
1	2	3	4	5	6	7	8	9
Vickers M.Gs. ·303-in. and ·5-in.—								
Ground service—								
Each gun in peace use ...	1	1	1	—	1 (*e*)	1	1	1
Each gun *not* in peace use	—	—	—	—	1 (*d*)	1	1	1
A.F.V. service—								
Each gun in peace use ...	1	—	1 (*a*)	—	1 (*e*)	—	1	—
Each gun *not* in peace use	—	—	—	—	1 (*d*)	—	1	—
For every ten guns ...	—	2	—	—	—	2	—	2
Approved armament—								
Each gun in peace use ...	1	—	(*g*)	1 (*f*)	1 (*e*)	—	1	—
Each gun *not* in peace use	—	—	—	—	1 (*d*)	—	1	—
Lewis M.Gs. ·303-in.—								
Infantry battalion	26	7 (*b*) 19 (*c*)	—	—	26 (*e*)	7	26	7 (*b*)
Other than infantry battalions and approved armament—								
Each gun in peace use ...	1	1	—	—	1 (*e*)	1	1	1
Each gun *not* in peace use	—	—	—	—	1 (*d*)	1	1	1
Approved armament—								
Each gun in peace use ...	1	1	—	1 (*f*)	1 (*e*)	—	1	—
Each gun *not* in peace use	—	—	—	—	1 (*d*)	—	1	—
Besa 7·92-mm. M.Gs.—								
A.F.V. service—								
Each gun in peace use ...	1	1	—	—	1 (*e*)	1	1	1
Each gun *not* in peace use	—	—	—	—	1 (*d*)	1	1	1
Besa 15-mm. M.Gs.								
A.F.V. service—								
Each gun in peace use ...	1	1	—	—	1 (*e*)	1	1	1
Each gun *not* in peace use	—	—	—	—	1 (*d*)	1	1	1

(*a*) For guns in Crossley and Lanchester armoured cars the scale will be one for each vehicle.
(*b*) In Lewis gun chests, Mk. IIIB.
(*c*) In unit store.
(*d*) In gun.
(*e*) On mobilization, barrels (*e*) in column 6 will be fitted to guns and those in columns 2, 3, 4 and 5 returned to store.
(*f*) For use with guns not equipped with D.P.B. barrels for drill purposes, or for firing blank. (Single shots only.)
(*g*) Singapore 85, Hong Kong 100, Malta 56, Gibraltar 24.

APPENDIX 59

(*Referred to in para.* 386)

DRAWING MATERIALS AND INSTRUMENTS ALLOWED FOR THE USE OF THE O.M.E. AT EACH STATION WHEN A DRAUGHTSMAN IS NOT EMPLOYED

Designation.	No.	Remarks.
Section V2		
Boards, drawing—		
Double elephant	1	
Imperial	1	
Compasses, beam, 26-in., Mk. II ...	1	
Instruments, drawing, G.S. ... set	1	
Set squares, celluloid—		
6-in.—45 degrees	1	
60 ,, ...	1	
10-in.—45 ,, ...	1	
60 ,, ...	1	
T-squares—		
36-in.	1	
45-in.	1	
H.M.S.O. Supply		
Boards, Bristol	3	
Book, drawing—		
Large	1	
Small	1	
Brushes, sable—		Consumable stores to be demanded as required.
Swan	2	
Goose	2	
Duck	2	
Cloth, tracing ... ... yds.	12	
Colour cakes—		
Gamboge ... ... cakes	1	
Burnt sienna ... ... ,,	1	
Crimson lake ... ... ,,	1	
Prussian blue ... ... ,,	1	
Grey, Payne's ... ... ,,	1	
Indian ink ... ... pieces	1	
Ink erasers ... ... ,,	2	
Paper—		
Cartridge ... ... sheets	12	
Drawing, smooth, W.O. Columbier sheets	12	
Tracing ... ... quires	2	
Pencils—		
Drawing—		
H.H.H.	6	
H.B.	6	
Blue	3	
Red	3	
Pens—		
Lithographic (cards of 10) ... card	1	
Crow quills (cards of 10) ... ,,	1	
Pins, drawing	6	

APPENDIX 60

(Referred to in para. **415***)*

OUTFITS, FIRST-AID, FOR TANKS AND ARMOURED CARS

Designation.	No.	Remarks.
R.A.M.C. Supply		(*a*) To be added on mobilization. (*b*) If deficient or broken, must be dealt with in accordance with King's Regulations.
Section I (A)		
Gentian Violet Compound Jelly, in small tubes	1	
Tannic Acid Jelly, in small tubes ...	4	
Section II		
Tablets, Morphine Tartrate, $\frac{1}{4}$-gr., Oral (tubes of 10) (*a*)	1	
Section III		
Bandages—		
Triangular, unbleached (wrapped)...	2	
Loose-woven, khaki coloured— 3-in. ×4-yds.	4	
Dressings—		
Shell	2	
Standard, B.P.C.—		
No. 10	4	
No. 11	4	
No. 12	4	
Gauze, absorbent, bleached, $2\frac{1}{2}$-yds. pkts., compressed	2	
Section V (A)		
Bath, eye (*b*)	1	
Section VIII		
Boxes, metal, empty, to contain outfit (*b*)	1	
R.A.O.C. Supply		
Section K(C)		
Scissors, stretcher-bearer, 7-in. (*b*) ...	1	

DIRECTIONS FOR USE

1. Burns or Scalds.—Immediately smear the affected part with tannic acid jelly, and allow to dry for a few minutes. When the area is small, cover with a dressing of suitable size; when the area is large use gauze and a bandage.

NOTE.—In cases of burns on the face or fingers it is preferable to use Gentian Violet Compound Jelly instead of Tannic Acid Jelly.

2. Wounds or Injuries.—*Small Wounds.*—Apply a standard dressing of suitable size in accordance with the directions on the packet.

Large Wounds.—Apply a shell dressing in accordance with the instructions on the cover.

3. Foreign Bodies in the Eye.—Fill the eye-bath with clean water and place the bath firmly against the socket of the eye. Tilt the head well back, open the eye and blink frequently.

NOTE.—Repeat as often as necessary.

4. Injuries or Burns with great Pain.—Place one of the morphine tablets under the tongue. Make a careful note of the time at which dose is given and report same to the medical officer who first sees the case.

NOTE.—Dose must only be repeated under medical advice.

APPENDIX 61

(Referred to in para. **417***)*

OUTFITS, FIRST-AID, GENERAL, SMALL

Designation.	No.	Remarks.
R.A.M.C. Supply		(*a*) If deficient or broken, must be dealt with in accordance with King's Regulations.
Section I (A)		
Tannic Acid Jelly, in small tubes ...	1	
Section III		
Bandages, triangular, unbleached (wrapped)	1	
Dressings, standard, B.P.C.—		
No. 10	6	
No. 11	6	
No. 12	6	
Section VIII		
Boxes, tin, empty, with handle, to contain above (*a*)	1	

DIRECTIONS FOR USE

1. Burns or Scalds.—Immediately smear the affected part with tannic acid jelly, allow to dry for a few minutes, and cover with a dressing of suitable size.

2. Wounds or Injuries.—Apply a dressing of suitable size, in accordance with the directions on the packet.

APPENDIX 62

(Referred to in para. **421***)*

OUTFITS, FIRST-AID, GENERAL, LARGE

Peace only

Designation.	No.	Remarks.
R.A.M.C. Supply.		(*a*) If deficient or broken, must be dealt with in accordance with King's Regulations.
Section I (A)		
Tannic Acid Jelly, in small tubes ...	2	
Section III		
Bandages, triangular, unbleached (wrapped)	2	
Dressings, standard, B.P.C.—		
No. 10	10	
No. 11	10	
No. 12	10	
Section VIII		
Boxes, tin, empty, with handle, to contain above (*a*)	1	

DIRECTIONS FOR USE

1. Burns or Scalds.—Immediately smear the affected part with tannic acid jelly, allow to dry for a few minutes, and cover with a dressing of suitable size.

2. Wounds or Injuries.—Apply a dressing of suitable size, in accordance with the directions on the packet.

APPENDIX 63

(*Referred to in para.* **127**)

METHYLATED SPIRIT, INDUSTRIAL

General Instructions Regarding Supply and Use of

NOTE.—Mineralized spirit will be used in all cases where methylated spirit is required for heating purposes.

1. In order to ensure, as required by the Board of Customs and Excise, that industrial methylated spirit is not used where mineralized spirit would serve the purpose equally well, the authority for the supply of industrial spirit to units and establishments in home commands is centralized, except as stated in para. **4** below, in the C.O.O., Didcot. This officer will be the sole authority for issuing requisitions on the contractor, both for orders for direct supply to users and for orders for delivery to Didcot for redistribution. Local purchase of industrial spirit is prohibited.

2. The responsibility for the use of this spirit for the purpose for which it is demanded rests entirely with the demanding officer, who will ensure that only such quantities as are required for purposes permitted by the regulations are demanded. The purposes for which industrial spirit will be used are as follows :—

(*a*) Medical, surgical, dental, pathological, laboratory, experimental and research work. (For purposes involving contact with the skin, a special methylated spirit, industrial, acetone-free, will be demanded.)
(*b*) Veterinary ; medical and surgical purposes.
(*c*) Solvents for shellac and preparation of lacquers, varnishes, cements, adhesives, stains and special pigmented shellac paints which come into contact with metals.
(*d*) Browning of small arms.
(*e*) As an ingredient in a mixture used in hydro-pneumatic cylinders.
(*f*) Photographic work and negative cleaning.
(*g*) Inspection tests on materials supplied under contract.
(*h*) Cleaning of instruments, mixing with graphite and shellac for tyres and pneumatic covers.
(*i*) Experimental and research work in connection with the above.

3. Indents will be submitted to the R.A.O.C. and will state exactly for what purpose the spirit is required.

4. Requisitions covering the movement of this spirit will be issued by the C.O.O., Didcot. The permits issued by the Methylator with the consignments will be returned by units and establishments to the C.O.O., Didcot.

5. The C.O.O., Didcot will be responsible for the preparation and submission of the annual returns required by the Board of Customs and Excise.

APPENDIX 64

(*Referred to in paras.* **45, 416** *and* **536**)

UNSERVICEABLE EQUIPMENT AND ACCOUTREMENTS FOR USE DURING TRAINING

Designation.	Each member of crews of tanks, armoured cars and armoured machine gun carriers.		Each driver of "B" and R.A.S.C. vehicles and each cook.
	Mechanized Cavalry and Royal Tank Regiment. Each man.	Other units. Each man.	
Section A1 (N.I.V.)			
Attachments, brace "U" ...	2	2 (*a*)	2 (*a*)
Belts, waist, W.E. "U" ...	1	1	1
Braces with buckle "U" ...	2	2	2
Carriers—			
Cartridge, Mk. II "U" ...	—	1 (*b*)	1 (*b*)
,, right "U" ...	—	1 (*b*)	1 (*b*)
Waterbottle "U"	1	1	1
Cases, pistol "U"	1	1 (*a*)	1 (*a*)
Covers, mess tin "U" ...	—	1	1
Frogs, web, bayonet "U" ...	—	1 (*c*)	1 (*c*)
Haversacks, W.E. "U" ...	1	1	1
Packs "U"	1	1	1
Pouches, ammunition, pistol "U"	1	1 (*a*)	1 (*a*)
Slings, rifle web "U" ...	—	1 (*b*)	1 (*b*)
Straps—			
Brown, mess tin "U" ...	1	—	—
Web supporting "U" ...	2	2	2
Section A2 (N.I.V.)			
Respirators, anti-gas—			
Haversacks "U"	1	1	1

(*a*) All ranks armed with a pistol.
(*b*) All ranks armed with a rifle.
(*c*) 1 each bayonet.

APPENDIX 65

(*Referred to in para.* **422**)

PASSIVE AIR DEFENCE—EQUIPMENT

TABLE 1.—WARDENS AND LOOK-OUTS

Designation.	Each warden or look-out.	Remarks.
Section A1		
Whistles, infantry, G.S.	1	(*a*) Expendable.
Section A2		
Rattles, trench, Mk. II, wood ...	1	
Section A2 (N.I.V.)		
Ointment, anti-gas, 2-oz. tins, tins	2 (*a*)	
Section W2		
Batteries—		
Lamp, electric, No. 1	1	
,, ,, ... (spare)	1	
Bulbs, 2·5-volt 0 ... ... (,,)	1	
Lamps, electric, No. 1	1	
Clothing Vocabulary Items		
(*Section CB (N.I.V.)*		
Armlets, P.A.D.	2	

TABLE 2.—POLICE

Designation.	Each person.	Remarks.
Section W2		
Batteries—		
Lamps, electric, No. 1, Mk. I ...	1	
,, ,, ,, ,, (spare)	1	
Bulbs, 2·5-volt 0 ... ... (,,)	1	
Lamps, electric, No. 1	1	
Clothing Vocabulary Items		
Section CB (N.I.V.)		
Armlets, P.A.D.	2	
Section CJ		
Overboots, A.G. heavy—		
No. 1 (or No. 2) ... ... pr.	1	

TABLE 3.—MESSENGERS

Designation.	Each person.	Remarks.
Section W2		
Batteries—		
Lamps, electric, No. 1	1	
,, ,, ,, (spare)	1	
Bulbs, 2·5-volt 0	1	
Lamps, electric, No. 1	1	
Clothing Vocabulary Items		
Section CB (N.I.V.)		
Armlets, P.A.D.	2	

TABLE 4.—RESCUE PARTIES

Designation.	Each. Light party (6 men).	Each. Heavy party (8 men).	Remarks.
Section E3			
Blocks, tackle, G.S. cordage, 3-in., Mk. I—			
Double	1	2	
Treble	1	2	
Snatch	1	2	
Gyns, triangle, 2¾-tons, Mk. I	—	1	
Jacks, lifting, hydraulic, G.S.—			
7½-ton	2	2	
22½-ton	—	1	
Levers, 12-ft.	1	2	
Rope, galvanized, ⅜-in. 50-ft. lengths ... lengths	2	2	
Slings, rope—			
3-in. × 4-ft. long	1	1	
6-in. × 12-ft. long	—	1	
Tackles, differential, 3-ton	—	1	

TABLE 4—*continued*

Designation.	Each. Light party (6 men).	Each. Heavy party (8 men).	Remarks.
Section F			
Chisels, cold, ¾-in.	2	2	
Crowbars, 4-ft. 1-in.	2	3	
Hammers—			
Sledge, straight pane, 14-lb.	1	1	
Stonebreaking, 4-lb.	1	1	
Saws—			
Compass	1	1	
Crosscut, 5-ft.	1	1	
Hack, 12-in.	1	1	
Hack, blades, medium	6	6	
Hand, 26-in.	1	1	
Section F (N.I.V.)			
Hooks, ceiling—			
Light party	1	—	
Heavy party	—	2	
Oxy-acetylene cutting, outfits	—	1	
Section H2			
Cordage, manila, white, hawser-laid—			
1½-in., 40-ft. lengths	3	3	
3-in., 100-ft. lengths	1	1	
Section J1			
Axes—			
Felling	2	2	
Hand	2	2	
Pick, 4½-lb.	3	4	
Flarelights, 1,000-c.p.	1	2	
Shovels, G.S.	3	4	
Section J (N.I.V.)			
Barrows, wheel, metal	1	2	
Section KA			
Ladders, extending, 35-ft.	1	1	
Section KE			
Lamps, hurricane	4	6	
Section K (N.I.V.)			
Ladders, extending, 13-ft. 2-in.	1	1	
Section M3			
Ropes, drag, heavy, 30 or 36-ft. pr.	1	1	

TABLE 4—*continued*

Designation.	Each. Light party (6 men).	Each. Heavy party (8 men).	Remarks.
Section W1			
Cutters, wire	2	2	(*a*) For use when wearing anti-gas clothing. (*b*) For flarelight. (*c*) As required.
Section W2			
Batteries—			
Lamps, electric, No. 1, Mk. I	4	6	
Lamps, electric, No. 1, Mk. I (spare)	4	6	
Bulbs, 2·5-volt, 0 (spare) ...	4	6	
Gloves, rubber ... pr.	2	2	
Lamps, electric, No. 1 ...	4	6	
Clothing Vocabulary Items			
Section CB (N.I.V.)			
Armlets, P.A.D.	12	16	
Section CC			
Drawers, woollen (*a*) pr.	6	8	
Socks, worsted (*a*) ... ,,	6	8	
Section CH			
Clothing, anti-gas—			
Jackets, A.G. light, No. 1	6	8	
Trousers, A.G. light, No. 1	6	8	
Vests, woollen (*a*) ...	6	8	
Section CJ			
Overboots, A.G. heavy—			
No. 1 (or No. 2) ... pr.	6	8	
R.E. Supply			
Corrugated galvanized iron sheets	4	6	
R.A.S.C. Supply			
Carbide	(*b*) (*c*)	(*b*) (*c*)	
Oil, paraffin	(*c*)	(*c*)	

TABLE 5.—DECONTAMINATION SQUAD

NOTE.—Consisting of six men (one leader and five men).

Designation.	Each squad.	Remarks.
Section A2		(*a*) For treatment of boots and tools with bleach. (*b*) Expendable. (*c*) 12 with Ruby globe. (*d*) 1 for mixing bleach paste, 2 for contaminated clothing, 1 for contaminated tools. (*e*) For use when wearing anti-gas clothing.
Signs, warning, anti-gas (Admiralty pattern)	12	
Trays, bleach, anti-gas	1 (*a*)	
Section A2 (N.I.V.)		
Bleach ... ... cwt.	2 (*b*)	
Detectors, gas, ground, booklets (pads of 25) ... ... pads	4 (*b*)	
Ointment, anti-gas, No. 1 (2-oz. tins) ... ... tins	12 (*b*)	
Section F		
Brushes, distemper, 2-knot, fibre ...	4	
Section H2		
Cordage, manila, white, hawserlaid, 1½-in., 40-ft. ... lengths	3	
Cotton waste, coloured ... lb.	7 (*b*)	
Section J1		
Axes, pick, 4½-lb.	3	
Shovels, G.S.	3	
Posts, picketing, 2½-ft., Mk. V ...	12	
Section J (N.I.V.)		
Barrows, wheel, metal	2	
Section KE		
Brushes—		
Scrub, long	2	
Scrub, hand, Union	2	
Lamps, hurricane	16 (*c*)	
Section KF		
Bins, steel, galvanized, large ...	4 (*d*)	
Buckets, 13-in.	2	
Sieves, iron wire, 8-mesh	1	
Section KG		
Engines, fire—		
Couplings—		
Instantaneous—		
Female	2	
Male	2	
Pipes—		
Hose without couplings, 50-ft.	4	
Stand	2	
Section K (N.I.V.)		
Tanks, water, I.G., portable, 10-gal.	1	

TABLE 5—*continued*

Designation.	Each squad.	Remarks.
Clothing Vocabulary Items		
Section CB (N.I.V.)		
Armlets, P.A.D.	12	
Section CC		
Drawers, woollen ... ... pr.	12 (*e*)	
Socks, worsted ... ... ,,	12 (*e*)	
Section CH		
Clothing, anti-gas—		
Jackets, oilskin, No. 1	12	
Trousers, oilskin, No. 1 ... pr.	12	
Vests, woollen	12 (*b*)	
Section CJ		
Overboots, A.G. heavy—		
No. 1 (or No. 2) ... ... pr.	6	
R.E. Supply		
Keys, hydrant, valve	1	
Screen, builders, ¼-in., 5-ft. × 2-ft.	1	

TABLE 6.—FIRST AID PARTY

Three persons

Designation.	Each party.	Remarks.
Section A1		
Bottles, water, enamelled, Mk. VI.	3	(*a*) Expendable.
Section A2		
Eyeshields, anti-gas	6 (*a*)	
Respirators, civilian (for patients)	10	
Section A2 (N.I.V.)		
Ointment, anti-gas, No. 1 (2-oz. tins) tins	3 (*a*)	
Section KC		
Stretchers, ambulance, Mk. II ...	1	
Section K (N.I.V.)		
Covers, stretchers, anti-gas ...	2	

TABLE 6—*continued*

Designation.	Each party.	Remarks.
Clothing Vocabulary Items		
Section CD		
Boots, rubber, knee ... pr.	3	
Section CH		
Gloves, anti-gas ... ... pr.	12	
Jackets, anti-gas, light	3	
Trousers, anti-gas, light ... pr.	3	
Section CH (N.I.V.)		
Clothing, anti-gas—		
Curtains, helmet, anti-gas ...	3	
CONTENTS OF FIRST AID HAVERSACK FOR STRETCHER PARTIES (Mark II Pattern)		
Section I (A)		
Tannafax, ¾-oz. tubes	2	
Section III		
Bandages, triangular, wrapped (one in packet)	9	
Dressings, first aid, Mines Dept., specification—		
Large	6	
Small	6	
Lint, cotton, absorbent, 4-in. × 6-in. pieces, 3 in packet ... pkts.	3	
Section V (A)		
Canes for tightening improvized tourniquet	3	
Pins, safety, 6 on card ... cards	6	
Scissors, 7-in., nickel-plated, with lanyard	1	
Torches, electric—		
(E.R. No. 1148)	1	
Battery for (E.R. No. 1839) ...	1	
Tourniquet, St. John	1	
Section VIII		
Haversacks, first aid, empty, with sling for	1	
H.M.S.O. Supply		
Labels, identity, linen, with tie-on string, pads of 15... ... pad	1	
Pencils, lead	1	

TABLE 7.—FIRST AID POST FOR A UNIT STRENGTH OF 1,000

NOTE.—Does not include furnishings and trimmings.

Designation.	Each post.	Remarks.
Section A1 (N.I.V.)		
Covers, mess-tin, rectangular ...	75	(*a*) For the use of contaminated cases after cleansing. Each set will consist of :— **Overcoats,** civilian pattern * † ... 1 **Shirts,** flannel † ... 1 **Shoes,** canvas † pr. 1 **Socks,** woollen † pr. 1 **Trousers,** flannel † pr. 1 * Winter only. † To be provided locally.
Section A2		
Trays, bleach, anti-gas	2	
Section A2 (N.I.V.)		
Bleach ... ... lb.	56	
Ointment, No. 1 (2-oz. tins) tins	48	
Section F		
Brushes, distemper, 2-knot, fibre ...	5	
Section H1		
Soap, yellow ... ... lb.	14	
Section J1		
Sheets, ground, Mk. VIII	3	(*b*) For use of undressers.
Section K (A)		
Tables, barrack, 6-ft.	5	(*c*) Each set consists of :— **Gowns,** serge, unlined ... ... 1 **Pyjamas,** hospital— Jackets ... ... 1 Trousers pr. 1 **Shoes,** canvas, rubber sole * pr. 1 **Socks,** brown, hospital * ... pr. 1 * To be provided locally.
Section K (C)		
Blankets, brown, single	50	
Scissors, stretcher bearer ... pr.	2	
Stretchers, ambulance—		
Mk. II	6	
Bars, suspension	3	
Towels—		
Bath	50	
Hand, huckaback	12	
Section K (D)		
Cups, feeding	2	
Section K (E)		
Brushes, scrub—		
Hand, Union	2	
Long	2	
Lamps, hurricane	2	
Section K (F)		
Basins, enamelled 14-in.	2	
Bins, steel, galvanized, large ...	6	
Pails, E.T.	1	
Pans, bed, enamelled	2	
Stoves, oil, wickless, No. 5 ...	2	

TABLE 7—*continued*

Designation.	Each post.	Remarks.
Section W2		
Batteries—		
Dry, torch F	3	
,, ... (spare)	3	
Bulbs—		
3·5-volt, P	3	
,, ... (spare)	3	
Torches, hand, Mk. I	3	
Clothing Vocabulary Items		
Section CC		
Dressings, field	100	
Section CC (N.I.V.)		
Clothing, for contaminated cases (*a*) sets	75	
Section CE		
Clothing, hospital ... ... sets	10 (*c*)	
Section CH		
Clothing, anti-gas, aprons	10 (*b*)	
Gloves, anti-gas, large ... pr.	20 (*b*)	
Section CJ		
Overboots, A.G. heavy—		
No. 1 (or No. 2) ... ... pr.	10 (*b*)	
R.A.S.C. Supply		
Spirit, methylated, mineralized pts.	4	
MEDICAL EQUIPMENT FOR FIRST AID POST		
Section I (A)		
Acidum, boricum ... ... lb.	1	
Alopon, ½ grain ampoules (boxes of 6) ... ... box	1	
Coramine, 1·7-c.c. ampoules (boxes of 5) ... ... box	1	
Dettol, 8-oz. bottle	1	
Liquor, iodi mitis ... ... oz.	4	
Oleum, ricini ... ... ,,	4	
Paraffinium, liquidum ... ,,	4	
Sodii, bicarbonas ... ... ,,	8	
Tannafax, 4-oz. tubes	2	
Unguentum, Atropinae (1 per cent. in ½-oz. tubes) ... ... tube	1	
Section II		
Solution tablets—		
Euflavine 0·87 gr. with sodium chloride, bottles of 100 bott.	1	
Sodium chloride 40-gr. tubes of 12 ... ... tube	1	

TABLE 7—*continued*

Designation.	Each post.	Remarks.
Section III		
Bandages—		
Flannelette, 4-in. × 6-yds. ...	4	
Loose woven, open wove, bleached, 3-in. × 4-yds.	100	
Triangular, unbleached	4	
Dressings, shell	24	
Gauze, absorbent, bleached, pads of 4-in. square, 32 layers thick, sterile, wrapped	18	
Lint, cotton, absorbent, 4-oz. packets ... ... pkts.	10	
Wool, cotton, absorbent, 4-oz. packets ... ... pkts.	6	
Section V (A)		
Basin, dressing, E.I. kidney-shaped 10-in.	1	
Bowl, E.I., 8-in.	1	
Brushes, nail, ward	2	
Irrigator, E.I., 2-pint, complete ...	1	
Jar, dressing, 10-in. × 7-in. E.I. with cover	1	
Needles, suture, triangular, half-curved, size 8	6	
Pins, safety, tins of 36 ... tin	1	
Plaster, adhesive, zinc oxide, 2-in. × 10-yds., spool	1	
Shades, eye, silk, double	10	
Silk, surgical, braided, sterile, No. 3 (T) in vial	1	
Tourniquet, St. John	1	
Trays, dressing, enamelled steel, 11-in. × 9-in. × 2-in.	1	
Splinting, Gouch's, wood, 24-in. × 18-in. pieces	2	
Splints—		
Arm, wood, plain, sets of 8 pairs set	1	
Knee, Thomas's without footpieces, size, 28-in.	2	
Knee, Thomas's metal sliding frame, footpieces for	2	
Undine, metal	2	
Section VI		
Forceps—		
Artery	1	In cardboard box.
Dissecting	1	
Sinus	1	
Probe	1	
Scissors, surgical	1	
Splints, knee, Thomas's—		
Pins, boot for	2	
Wooden serrated footpieces for ...	2	

TABLE 7—*continued*

Designation.	Each post.	Remarks.
Section VI—continued		
Sterilizer, fish kettle, with lamp complete	1	
Syringe—		
Hypodermic—		
With 2 needles in case ...	2	
Needles ... ... (spare)	8	
Section VIII		
Pouches, first aid, for stretcher parties, complete	2	
Section XIII		
Case, wood, packing	1	
H.M.S.O. Supply		
A.B. 39 (prescription book) ...	1	
Labels, identity, Manila, with tie-on-string, pads of 15	200	
Pencils, lead	1	

APPENDIX 66

(*Referred to in para.* **128**)

RIFLE, A/T (BOYS), MK. I.—STORES ISSUED WITH

Designation.	No.	Remarks.
Section A1		
Covers—		
Breech, rifle, A/T	1	(*a*) To be issued only when specially ordered to meet the needs of local conditions.
Muzzle, rifle, A/T (*a*)	1	
Pouches, utility—		
Front	2	
Rear	2	
Yokes	2	(*b*) Complete with loop and wire brush.
Section B1		
Rifles, Boys, A/T, Mk. I...	1	
Section B2		
Boxes, magazine, rifle, Boys, A/T, Mk. I	1	
Brushes, bristle, Mk. I	1	
Cases, rifle, Boys, A/T, Mk. I	1	
Magazines, rifle, Boys, A/T, Mk. I ...	8	
Rods, cleaning, rifle, Boys, A/T, No. 1, Mk. I (*b*)	1	
Tools, combination, rifle, Boys, A/T, Mk. I	1	

APPENDIX 67

(*Referred to in para.* **163**)

GUNS, MACHINE, BREN, ·303-IN., MK. I.—STORES ISSUED WITH

Designation.	No.	Remarks.
Section A1		
Pouches, utility—		
Front	4	(*a*) For detail of contents, *see* **Appx. 18.**
Rear	4	
Slings—		
Bren gun	1	
Rifle, web	2	
Yokes	4	
Section C1		
Boxes, magazines, Bren, ·303-in., M.G., Mk. I	2	
Brushes, rod, cleaning cylinder, Bren, ·303-in., M.G., Mk. I	1	
Chests, Bren, ·303-in., M.G., Mk. I ...	1	
Deflectors, cartridge case, Bren, ·303-in., M.G., Mk. II (or Mk. I)	1	
Fillers, magazine, Bren, ·303-in., M.G., Mk. II (or Mk. I)	1	
Guns, machine, Bren, ·303-in., M.G., Mk. I—		
Barrels, assembled ... ... (spare)	1	
Springs, return	1	
Magazines, Bren, ·303-in., M.G., Mk. II*	25	
Mops, rod, cleaning, cylinder, Bren, ·303-in., M.G., Mk. I	1	
Mountings, tripod, Bren, ·303-in., M.G., Mk. I	1	
Rods, cleaning, cylinder, Bren, ·303-in., M.G., Mk. I*	1	
·303-in., M.G., Mk. II "B" ...	1	
Wallets, Bren, ·303-in., M.G., Mk. I, filled (*a*)	1	
The following stores are issued also, if applicable :—		
Section C1		
Deflectors, cartridge case, Bren, ·303-in., M.G., Mk. II (or Mk. I)	1	
Lamps, aiming, M.G., Mk. III	1	
Posts, aiming, M.G., Mk. III	1	
Section C1 (N.I.V.)		
Mountings, seat, A.A., ·303-in., M.G., Mk. I	1	
Section V I		
Sights, fixed-line, Bren, ·303-in., M.G., Mk. I	1	

APPENDIX 68

(Referred to in para. **163**)

GUNS, MACHINE, LEWIS, ·303-IN., MK. I.—STORES ISSUED WITH

Designation.	No.	Remarks.
Section A1		
Braces, pouch, Lewis gun	2	(*a*) For detail of contents, *see* **Appx. 18.**
Pouches, magazine, Lewis gun	4	(*b*) 1 every 4 guns.
Section C1		
Bags, spare parts and tools, M.G., filled, Lewis, ·303-in. (*a*)	1	
Boxes, carrier, magazine, Lewis, ·303-in., M.G., Mk. I*	2	
Brushes, rod, cleaning cylinder, Lewis, ·303-in., M.G., Mk. I	1	
Carriers, magazine, Lewis, ·303-in., M.G., Mk. I	2	
Chests, Vickers or Lewis, ·303-in., M.G., Mk. III " B " (or " A ")	1	
Cleaners, gas regulator, Lewis, ·303-in., M.G., Mk. I	1	
Covers, Lewis, ·303-in., M.G., Mk. I ...	1	
Guns, machine, Lewis, ·303-in.—		
Mk. I	1	
Cylinders, gas, Mk. I	1	
Barrels, Mk. I ... ... (spare)	1	
Rods, piston, No. 2	2	
Handles, loading, magazine, Lewis, ·303-in., M.G., Mk. I	5	
Holders, A.A., Lewis, ·303-in., M.G., Mk. I	1	
Jacks, Lewis, ·303-in., M.G., Mk. I ...	(*b*)	
Magazines, Lewis, ·303-in., M.G.—		
Mk. I*, Nos. 5, 6 or 8 } or Mk. I, Nos. 5, 6 or 8 }	24	
Mops, rod, cleaning cylinder, Lewis, ·303-in., M.G., Mk. I	1	
Mountings, tripod, A.A., Lewis or Hotchkiss, ·303-in., M.G., Mk. I	1	
Mounts, field, Lewis, ·303-in., M.G., Mk. III	1	
Rods, cleaning—		
Cylinder, Lewis—		
·303-in., M.G., Mk. I	1	
·303-in., M.G., Mk. II " A " ...	1	

APPENDIX 69

(Referred to in para. **383**)

TABLE 1.—LIST OF FORMATIONS AND UNITS

Designation.	Boxes, Intelligence (*a*)	Remarks.
H.Q., 1st Division	2	(*a*) For detail of contents *see* Table **2** of this Appendix.
C.R.A., 1st Division	1	
3 Artillery Brigades, 1st Div. ...	3 (*c*)	
3 Infantry Brigades, 1st Div. ...	3 (*c*)	(*b*) Will be held on peace charge by command headquarters for use on exercises.
3rd Brigade, R.H.A.	1	
10th Army Field Brigade, R.A. ...	1	
32nd Field Brigade, R.A.	1	
2nd Medium Brigade, R.A. ...	1	(*c*) 1 each brigade.
1st Cavalry Brigade	2	
H.Q., 2nd Division	2	
C.R.A., 2nd Division	1	
3 Artillery Brigades, 2nd Div. ...	3 (*c*)	
3 Infantry Brigades, 2nd Div. ...	3 (*c*)	
H.Q., 3rd Division	2	
C.R.A., 3rd Division	1	
3 Artillery Brigades, 3rd Div. ...	3 (*c*)	
3 Infantry Brigades, 3rd Div. ...	3 (*c*)	
9th Army Field Brigade, R.A. ...	1	
33rd Army Field Brigade, R.A. ...	1	
6th Medium Brigade, R.A. ...	1	
1st Heavy Brigade, R.A., Plymouth	1	
1st Medium Brigade, R.A. ...	1	
H.Q., 4th Division	2	
C.R.A., 4th Division	1	
3 Artillery Brigades, 4th Div. ...	3 (*c*)	
3 Infantry Brigades, 4th Div. ...	3 (*c*)	
14th Army Field Brigade, R.A. ...	1	
30th Army Field Brigade, R.A. ...	1	
3rd Medium Brigade, R.A. ...	1	
4th Medium Brigade, R.A. ...	1	
1st Anti-Aircraft Brigade	1	
2nd Anti-Aircraft Brigade	1	
1st Anti-Aircraft Regiment, R.A.	1	
2nd Anti-Aircraft Regiment, R.A.	1	
6th Anti-Aircraft Regiment, R.A.	1	
1st Anti-Aircraft Battalion, R.E.	1	
2nd Anti-Aircraft Battalion, R.E.	1	
20th Army Field Brigade, R.A. ...	1	
21st Army Field Brigade, R.A. ...	1	
2nd Brigade, R.H.A.	1	
H.Q., I Corps (*b*)	4	
C.C.R.A., I Corps (*b*)	1	
C.B.O., I Corps (*b*)	2	
C.C.M.A., I Corps (*b*)	1	
H.Q., II Corps (*b*)	4	
C.C.R.A., II Corps (*b*)	1	
C.B.O., II Corps (*b*)	2	
C.C.M.A., II Corps (*b*)	1	
H.Q., 1st Cavalry Division ...	2	
Survey, battery, R.A.	1	

TABLE 2.—DETAIL OF CONTENTS OF BOXES, INTELLIGENCE, MK. I (FILLED)

Designation.	No.	Remarks.
Section J1		
Boxes, intelligence, Mk. I	1	
Section V1		
Protractors, R.A., 6-in.	1	
Scales, artillery—		
No. 2	1	
No. 3	1	
Section V2		
Cases, map, cylindrical, small ...	1	
Compasses, proportional, 6-in. ...	1	
Section V2 (N.I.V.)		
Glasses, magnifying, 2½-in. ...	1	
Scales, wheel, 1-in.	1	
H.M.S.O. Supply		
Clips, elver	1	
File, cover, manilla	1	
Knives, desk	1	

APPENDIX 70

(*Referred to in para.* **419**)

STORES AUTHORIZED TO BE HELD BY EASTERN AND SCOTTISH COMMANDS FOR LOCAL ARTILLERY SURVEY COURSES

Designation.	Eastern Command.	Scottish Command.
Section V1		
Boards, arty.—		
No. 2	10	7
No. 3	10	3
Clinometers, fd., Mk. VI	4	10
Pickets, bearing, survey	—	5
Plotters, fd.	10	—
Plugs, driving survey bearing picket ...	—	1
Protractors, R.A., 9-in.	20	24
Rangefinders—		
No. 2	—	1
No. 13	—	3
Rulers, parallel, rolling, R.A., No. 1 ...	1	1
Rules, slide, R.A., 10-in.	20	10
Scales, arty., No. 1	20	24
Sockets, survey bearing picket	—	5
Stands, instruments—		
No. 13	—	4
No. 27	10	10
Section V2		
Arrows	—	50
Beacon/banderol sets, R.A., Mk. I	—	7
Clinos, Indian, Mk. IV	—	6
Compasses, magnetic, plane table, Mk. II ...	—	10
Quivers	—	8
Rules, sight, 18-in., Mk. II	—	10
Tapes, measuring—		
Metallic woven, 100-ft.	—	5
Steel, 300-ft., Mk. II	—	3
Section Y		
Flags, sig., army, Mk. II—		
Blue, small	—	10
White, striped, small	—	10
Poles, 3-ft. 6-in.	—	12

APPENDIX 71

(Referred to in para. **348**)

DETAIL OF CONTENTS OF BOXES, STATIONERY, TELEGRAPH EQUIPMENT, UNIT B

Expendable Stores

Not Applicable to R. Signals Units

Designation.	No.	Remarks.
Army Forms—		
B 2501 ... ... pads	8	
B 2504 ... ... ,,	4	
C 2128 ... ... ,,	25	
S.O. Book 136	2	
Carbons, hand, blue, 13-in. × 8-in. ...	40	
Envelopes—		
O.H.M.S. Code No. 22–33	250	
O.H.M.S. No. 2	25	
Erasers, rubber, No. 1	2	
Paper, foolscap, plain, ½-sheets sheets	25	
Pencils—		
Blacklead H.B. ... ... doz.	1	
,, H.H. ... ... ,,	1	
Blue	2	
Copying ink	6	
Red	2	
Pins, pkt. ... ... oz.	1	
Tape, medium ... ... 9-yd. piece	1	

APPENDIX 72

(Referred to in para. **295**)

DETAIL OF CAMP KIT

Designation.	No.	Remarks.
Section J1		
Basins, camp	1	(*a*) Also for use with bath, camp.
Bag	1	
Stand (*a*)	1	(*b*) 1 each bedstead, camp, only if required by individuals 6 feet in height or over.
Baths, camp	1	
Bedsteads, camp	1	
Bag	1	
Canvas top	1	
Extension piece	(*b*)	(*c*) With name, regiment or corps, painted thereon in 1-in. block letters in black paint.
Buckets, water, canvas, Mk. V ...	1	
Chairs, camp, officers	1	
Sheets, ground, Mk. VIII	1	
Valises, officers	1 (*c*)	
Straps ... ... set	1	(*d*) New blankets only to be issued and to be obtained from Barrack Expense Stores under regimental arrangements.
Section KC		
Blankets, brown, single	3 (*d*)	
Pillows, hair, small	1	

APPENDIX 73

(Referred to in para. **412**)

CINEMA PROJECTORS, EPIDIASCOPES AND OPTICAL LANTERNS

Instructions for Earthing

1. For the purpose of eliminating as far as possible the risk of electrical shock, all epidiascopes, optical lanterns and 16-mm. cinema projectors will be fitted with three-pin socket outlets and plugs.

2. Where instruments are converted locally to a three-point connection, they will be converted in accordance with the instructions contained in para. **3** below.

3. As the casings of these instruments are of metal, they may become "alive." Dependent to a certain extent on the actual siting, dangerous conditions may arise through the use of two-pin or three-pin socket outlets, if the instrument is not connected to earth or if it is wrongly wired. The use of three-pin socket outlets is now the standard practice and generally introduces the least risk. The following procedure will be observed :—

(*a*) Connection to the instrument will be by means of the three-pin socket outlets and plugs.

(The three-pin socket and plug connection between instrument and resistance in the case of certain projectors, such as the Kodascope, Model D, does not provide an earthing connection. An additional connection must be made between the casing of the instrument and the casing of the resistance unit. A similar connection must also be provided for the Kodascope, Model C.)

(*b*) The socket outlets and plugs will comply with British Standard Specification No. 546.

(*c*) The earth continuity conductor of the three-core flexible cord for connection to the supply and the instrument will comply with and be coloured in accordance with the latest Regulations for the Electrical Equipment of Buildings.

(*d*) Any single pole switch or switches connected to the instrument will be wired in accordance with the latest Regulations for the Electrical Equipment of Buildings.

4. Where it is necessary for the above instruments to be used in buildings which are equipped only with lamp fittings, a separate two-core flexible lead with a lamp holder adaptor is supplied. In such cases the Royal Engineers or other responsible authority will be consulted before the connection is made. As earthing is not possible when the lampholder is used, the instrument must be sited in a position clear of metal pipes or any other metal connected to earth, and the operator must stand only on a dry wood floor. The operator must not have wet hands or boots.

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